## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

No: AMFU-Basar/2018/39

Dated: Tue, 15th May, 2018

## ग्रामीण कृषि मौसम सेवा

### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

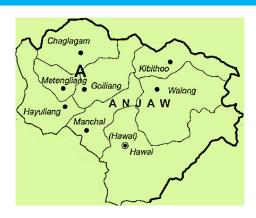






## AMFU, ICAR Research Complex for NEH Region **Arunachal Pradesh Centre, Basar-791101**

**Advisory for district: Anjaw** 



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

Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
No weather summary available	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 98-99% and 57-60%
	respectively. Wind direction is mainly E & NE with average wind
	speed range of 2-4 kmph.
Warning:	• Nil

- 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

DETAILS OF A	DVISORIES FOR	THE P	ERIOD
D //D:	<b>D</b>	4.0	

DEFINED OF THE VISIONES FOR THE LEXIOD			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS	}		
Rice	Nursery/trans plantation	Stem borer	<ul> <li>On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff</li> <li>Rice: Weed free &amp; clean nursery periphery to prevent disease/pest harboring.</li> <li>Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) &amp; Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.</li> <li>Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It</li> </ul>

				will reduce the carryover of the infestation to the main field.
Jhum rice	Leaf elongation		•	On anticipation of rain, provide proper drainage
			•	Follow proper runoff management system to avoid
				loss of top soil due to heavy rainfall.
			•	Keep the surrounding clean/ weedfree to avoid
				disease/pest harboring
Pea	Seed	Powdery	*	Provide adequate drainage and avoid water stagnation
	development	mildew/ leaf eating insects		near the base of the plants.
		cuting insects	**	Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the
				infestation is high.
Toria/ Mustard	Maturity	Aphids	*	Provide adequate drainage
Toria, Mastara	Widtailty	ripinas	*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre
				against aphids in Rapeseed/Mustard using sticker or during
				clear/dry days.
VEGETABLE	S			
Ginger/ Turmeric	•		*	Mulching ginger beds with locally available
	germination			leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
Summer	Sowing		*	Right time for transplantation of healthy seedlings to
vegetables	2011119		·	main field from nursery
			*	Sowing advocated during clear/dry days
HODELCHIE	IDAL CDODG		*	Provide adequate drainage to already sown crops
HORTICULT Peach	Fruit maturing	Fruit Fly	**	Install fruit fly pheromone traps,
i cacii	Truit maturing	Truit Try	*	Collect and dispose off the fallen fruits.
			*	Clean basin,
Citrus	Flowering	Bark eating	•	Prepare half moon terraces for fruit crops
		caterpillar		(orange/banana/apple/peach) in steep slopes to prevent
				nutrient loss due to rain.
Orchards			*	Prepare half moon terraces in fruit crops grown in steep
(Orange, Banana, Apple, Peach etc)				slopes to prevent nutrient loss during heavy downpour.
Banana	Bunching	Cold	*	Cover newly emerged bunches with locally available sack to
				protect from cold/frost
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart
			*	with mulching & regular irrigation.  Applications of well decomposed cattle manure/compost
			•	@5kg/plant during clear/dry days.
LIVESTOCKS	3			
Livestock	Stage	Disease		<ul> <li>Precautionary Practices to be followed</li> </ul>
Pigs	All stages	FMD (high fever	*	Food waste or garbage fed to swine must be cooked and
		and appearance		sterilized properly. Cooking the different raw materials
		of mucous membrane of the		together is advocated to improve digestibility and to
		mouth and foot.)		break- down toxins from some feeds.
		Swine Fever	*	Avoid dampness and cover weak and sick animals with sack
			*	cloth.  The hadding is always day and that there is planty.
1	İ		*	The bedding is always dry and that there is plenty.  Animals should be given lukewarm feed and water.
			.♦.	ADDUALS SHOULD BE GIVED HIKEWARM TEED AND WATER
			<b>*</b>	•
			<b>*</b>	Right time to deworm with anti helmetic drugs (particularly
Poultry	All stages		*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages			Right time to deworm with anti helmetic drugs (particularly
•	All stages		*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,
Poultry Fishery	All stages		*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,  To avoid water turbidity, use grass turfing or horticultural
Fishery			* *	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
•	All stages All stages	FMD	*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  Animals should be given lukewarm feed and water.
Fishery		FMD	* *	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  Animals should be given lukewarm feed and water.  Right time to deworm with anti helmetic drugs
Fishery		FMD	*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  Animals should be given lukewarm feed and water.
Fishery		FMD	*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Day old chick-Maintain warmth by lighting,  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  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

			*	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 Sc	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-			
			22623	7/226247

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Changlang** 



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

Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = Changlang: 0.0 mm Miao: 19.4 mm (up to 17 <sup>th</sup> April)	Partly cloudy with possibility of light/moderate rain after 18 <sup>th</sup> May. Daily maximum and minimum temperature for the following period is predicted to be 29-30°C and 19-20°C respectively. Expected morning and evening relative humidity will be 80-98% and 36-43% respectively. Wind direction is mainly E & ESE with speed range of 2-4 kmph.
Warning	• Nil

- 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

* * * * * * * * * * * * * * * * * * * *	The state of the s				
	DETAILS OF ADVISORIES FOR THE PERIOD				
Crop	Stage	Pest/Disease	Pest/Disease Precautionary Practices to be followed		
FIELD CROPS					
Jhum rice	Rooting/ Leaf elongation		<ul> <li>Provide proper drainage and soil conservation measures like mulching with locally available materials.</li> <li>Keep the periphery clean</li> </ul>		
			Avoid application of fertilizer and insecticides/pesticides		
Rice	Transplanting/	Stem borer	Rice: Weed free & clean nursery periphery to prevent disease/pest harboring		

			•	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
				rice nursery as well as in main field.
			•	Cut the tips of the leaves before transplanting reduces the
				population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Maize	Vegetative	Soybean looper	*	Spraying of Quinalphos 25 EC 2ml/litre of water is advised,
			*	Monitor the crop against attack of insect pests,
			*	Make proper drainage in the crop field,
Pea	Seed	Powdery	*	Harvest mature crops
	development/ maturity	mildew/ leaf eating insects	*	Need based foliar spray of Dinocap (0.2%) or Carbendazim
	maturity	cating insects		50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
VEGETABLE				
Ginger/ Turmeric	_		*	Mulching ginger beds with locally available
	germination			leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
				to avoid exposure to erosion,.
French Bean	Sowing		*	p
				seeds may be done,
			*	Treat the seeds with Imidacloprid 17SL @1ml/litre/
Okra	Sowing		•	kilogram seed before sowing. Procure quality seed from certified agency.
on a	Sowing			Avoid sowing during rainy days
Summer	Sowing/	Flea beetles/	*	During clear/dry days, spray
vegetables	vegetative	fungal diseases		azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles
			*	During clear/dry days, spray
				carbandazim/Mancozab@2gm/lit to control fungal
HODTICHT	URAL CROPS			diseases in summer vegetables.
Guava	Flowering		*	Avoid water logging in the basin,
			*	Basin cleaning in half moon system is advised,
Citrus	Flowering	Bark eating	•	Prepare half moon terraces for fruit crops
		caterpillar		(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart
				with mulching & regular irrigation.  Applications of well decomposed cattle manure/compost
			•	@5kg/plant during clear/dry days.
Banana	Bunching		*	Denavelling (removal of male bud) & bagging of
				bunches advocated
HONEY BEES	5			
Honey bees			**	Box must be covered with straw/dry leaves to provide warmth
			*	Provide sugar syrup
LIVESTOCKS	S			The state of the s
Livestock	Stage	Disease		<ul> <li>Precautionary Practices to be followed</li> </ul>
		·	*	General
_	d grain (not fund	gus contaminated) t		verted for Poultry/livestock feeding
.0. 🗥		-	mannd	the clock and water troughs/feeders should be regularly
	rinking water s	-	rouna	the clock that water troughts/recuers should be regularly
cleaned,	rinking water s	-	rouna ❖	
	rinking water s	FMD (high fever and appearance		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials
cleaned,	rinking water s	FMD (high fever and appearance of mucous		Food waste or garbage fed to swine must be cooked and
cleaned,	rinking water s	FMD (high fever and appearance of mucous membrane of the		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials
cleaned,	rinking water s	FMD (high fever and appearance of mucous		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break-down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack
cleaned,	rinking water s	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.
cleaned,	rinking water s	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.
cleaned,	rinking water s	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break-down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.

				Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Poultry	All stages			Provide shelter to the backyard/scavenging poultry.  Feed grains in the morning/evening to supplement scavenging.
Goat	All stages		*	Deworming for gastrointestinal parasite
Cattle	All stages	FMD	*	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				

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

No: AMFU-Basar/2018/39

Dated: Tue, 15th May, 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

**Advisory for district: Upper Dibang Valley** 



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

Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = 1.0 mm (Anini) (up to 17 <sup>th</sup> April)	<b>Partly cloudy with possibility of moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 12-13°C respectively. Expected morning and evening relative humidity will be 97-98% and 62-64% respectively. Wind direction is mainly variable with speed range of 3-4 kmph.
Warning:	• Nil

- 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

<b>DETAILS OF A</b>	DVISORIES FOR	THE PERIOR
---------------------	---------------	------------

Crop	Stage	Pest/Disease	tt/Disease Precautionary Practices to be followed			
FIELD CROPS	FIELD CROPS					
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>			
Pea	Seed development	Powdery mildew/ leaf	❖ Provide adequate drainage and avoid water stagnation			

		eating insects	*	near the base of the plants.  Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Rice	Nursery/trans plantation	Stem borer	•	On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.  Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.  Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.  Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Toria/ Mustard	Maturity	Aphids	* *	
VEGETABLE Cucurbits	S Vegetative		**	Cover the base of crop with locally available mulches
Ginger/ Turmeric			*	to avoid exposure to erosion,.  Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic
Potato	Maturity/ Harvesting		<b>*</b>	<b>Harvesting recommended during clear/dry days</b> Store already harvested potatoes in a cool, well ventilated place/ do not wash before storing as dampness promotes early spoilage.
HORTICULT	URAL CROPS			
Peach	Fruit maturing	Fruit Fly	<ul><li>*</li><li>*</li></ul>	Install fruit fly pheromone traps, Collect and dispose off the fallen fruits. Clean basin,
Citrus	Flowering	Bark eating caterpillar	•	Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.
				=
Apple	Flowering		* *	For woody aphid-Wipe the stem with cloth soaked in mineral oil.  In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases.
<b>Honey Bees</b>	Flowering		*	For woody aphid-Wipe the stem with cloth soaked in mineral oil.  In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases.
Honey Bees Honey bees			*	For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against
Honey Bees Honey bees LIVESTOCKS		Disease	*	For woody aphid-Wipe the stem with cloth soaked in mineral oil.  In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases.  Cover the boxes with locally available dry grass or straw to provide warmth  Provide sugar syrup in a bowl in front of the box in case of heavy rainfall
Honey Bees Honey bees  LIVESTOCKS Livestock  Damagee	Stage d grain (not fung		*  * to be division of the count of the coun	For woody aphid-Wipe the stem with cloth soaked in mineral oil.  In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases.  Cover the boxes with locally available dry grass or straw to provide warmth  Provide sugar syrup in a bowl in front of the box in case of

Fishery		membrane of the mouth and foot.) Swine Fever	<ul> <li>break- down toxins from some feeds.</li> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> <li>The bedding is always dry and that there is plenty.</li> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight</li> <li>To avoid water turbidity, use grass turfing or horticulture crop at embankment/dyke of the earthen fish pond.</li> </ul>
Poultry	All stages		<ul> <li>Provide shelter to the backyard/scavenging poultry. Fee grains in the morning/evening to supplement scavenging.</li> <li>Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.</li> </ul>
Cattle	All stages	FMD	<ul> <li>Right time to deworm with anti helmetic drugs         (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 3         kg body weight.</li> <li>Supportive treatment of infected animals under supervision veterinary department officials,</li> <li>Avoid mixing of infected and healthy animals,</li> <li>Keep infected animals separated from the healthy ones,</li> <li>Vaccinate the healthy animals against FMD (Through State Veterinary Dept.)</li> <li>Provide feed supplements</li> </ul>
Mithun		FMD	<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia at months of age and repeat after that 6 months interval by su cutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should avoided.</li> </ul>

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

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

No: AMFU-Basar/2018/39

Dated: Tue, 15th May, 2018

## ग्रामीण कृषि मौसम सेवा

## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

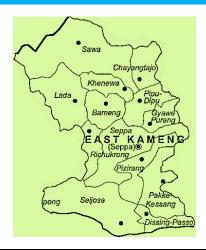






AMFU, ICAR Research Complex for NEH Region **Arunachal Pradesh Centre, Basar-791101** 

**Advisory for district: East Kameng** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = 5.3 mm (up to 17 <sup>th</sup> April)	<b>Partly cloudy with possibility moderate rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 28-29°C and 16-17°C respectively. Expected morning and evening relative humidity will be 93-100% and 46-58% respectively. Expected wind direction is mainly S & SSE with speed range of 3-4 kmph.
Warning:	•

- 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					
	DETAILS OF ADVISORIES FOR THE PERIOD				
Crop	Stage	Pest/Disease	Pest/Disease Precautionary Practices to be followed		
FIELD CROPS	S				
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>		
Rice	Nursery/trans plantation	Stem borer	<ul> <li>Rice: Weed free &amp; clean nursery periphery to prevent disease/pest harboring.</li> <li>Wet seed treatment for 12hrs. in Carbendazim 50% WP</li> </ul>		

Maize	Sowing		•	(1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.  Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.  Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.  Treat the seeds before sowing with Captan 50%
			*	WP @2g/kg seed, Make proper drainage in the crop field
Pea	Pod mature	Birds	* *	Avoid water stagnation near base of the plants Harvest of green pods, Use of scare crow and tying of bird scare tape around the crop field,
			❖ VE	EGETABLES
Cucurbits	Vegetative			Cover the base of crop with locally available mulches to avoid exposure to erosion,.
Summer vegetables	Sowing/ vegetative	Flea beetles/ fungal diseases		During clear/dry days, spray azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles During clear/dry days, spray carbandazim/Mancozab@2gm/lit to control fungal diseases in summer vegetables.
Ginger/ Turmeric	Sowing/ germination		*	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
Potato	Maturity/ harvesting		*	Harvest only during clear/dry days
HORTICULT	URAL CROPS			
Citrus	Flowering	Bark eating caterpillar	•	Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Banana  Large Cardamom	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.  Provide proper drainage to avoid water stagnation in the base
	flowering stage		*	of the plants.
LIVESTOCKS				
Livestock	Stage	Disease		Precautionary Practices to be followed
0	rinking water sl		to be di	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* * *	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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.
Pigs	All stages		* *	Avoid dampness and cover weak and sick animals with sack cloth.  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
Fishery			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.

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

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

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

No: AMFU-Basar/2018/39

Dated: Tue, 15th May, 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

**Advisory for district: East Siang** 



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

Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall: 104.8 mm; T. Max: 32.0°C; T. Min:	Mostly/Partly cloudy with possibility of moderate rainfall. Daily
18.0°C; RH: 54-100% (up to 17 <sup>th</sup> April)	maximum and minimum temperature for the following period is
	predicted to be 30-31°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 90-95% and 53-64%
	respectively. Expected wind direction is variable with speed range
	of 2-6 kmph.
Warning:	• Nil

### Weather Based Agro-meteorological Advisories Bulletin

- 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

* * * * * * * * * * * * * * * * * * * *	Walling of DD 1 in crops is retina				
Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
FIELD CRO	PS				
Jhum rice	Rooting/ Leaf		•	Provide proper drainage and soil conservation measures	
	elongation			like mulching with locally available materials.	
			•	Keep the periphery clean	
			•	Avoid application of fertilizer and insecticides/pesticides	

Maize	Vegetative	Soybean looper	*	Spraying of Quinalphos 25 EC 2ml/litre of water is advised,  Monitor the crop against attack of insect pests,  Make proper drainage in the crop field,
Rice	Nursery/trans plantation	Stem borer	•	Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.  Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.  Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.  Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pea	Pod mature	Birds		Harvest of green pods, Use of scare crow and tying of bird scare tape around the crop field,
Toria/ Mustard  VEGETABLE	Maturity/ Harvesting	Aphid		Harvesting of mature crop, If only infestation is high, Spraying of dimethoate @ 2 ml per litre of water is advised using proper sticker,
Cucurbits	Vegetative		*	Cover the base of even with legally available mulches
Cucuions	v Cgclative		**	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
Summer vegetables	Sowing/ vegetative	Flea beetles/ fungal diseases		During clear/dry days, spray azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles During clear/dry days, spray carbandazim/Mancozab@2gm/lit to control fungal diseases in summer vegetables.
Ginger/ Turmeric	Sowing/ germination		*	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
	URAL CROPS			
Guava	Flowering			Avoid water logging in the basin,
Citrus	Flowering	Bark eating caterpillar		Basin cleaning in half moon system is advised,  Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Banana	Bunching		*	Denavelling (removal of male bud) & bagging of bunches advocated
Large cardamom	Sowing			Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.  Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
<b>Honey Bees</b>				
Honey bees  LIVESTOCKS			*	Cover the boxes with locally available dry grass or straw to provide warmth
Livestock	I	Disease		<ul> <li>Precautionary Practices to be followed</li> </ul>
Damage		us contaminated) t	to be div round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
Fishery			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack

			*	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.	
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,	
			*	Inclusion of turmeric powder @ 10g/kg feed for	
				prevention of cocciodiosis.	
Goat	All stages		*	Deworming for gastrointestinal parasite	
Cattle	All stages	FMD	*	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 Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Kurung Kumey** 



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

Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Past weather summary not available	Partly/mostly cloudy with possibility of moderate rain. Daily
	maximum and minimum temperature for the following period is
	predicted to be 23-24°C and 11-12°C respectively. Expected
	morning and evening relative humidity will be 91-92% and 64-72%
	respectively. Wind direction is mainly SE & SSE with wind speed
	range of 3-4 kmph.
Warning	• Nil

- 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

DETAILS OF ADVISORIES FOR THE PERIOD						
Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
FIELD CROP	FIELD CROPS					
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>			
Rice	Nursery/trans plantation	Stem borer	On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff			

	Powdery mildew/ leaf eating insects	near the base of the plants.
Toria/ Mustard Mat	urity Aphids	<ul> <li>Provide adequate drainage</li> <li>If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.</li> </ul>
VEGETABLES		clear, ary any or
-	etative	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
•	ving/ ination	<b>❖</b> Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
Summer Sovegetables	wing	Sowing advocated during clear/dry days
Cabbage/ Harv Cauliflower	resting	<ul> <li>Harvest mature crop.</li> <li>Constantly monitor against attack of insects pests/mole.</li> </ul>
HORTICULTURAL (	CROPS	
	naturing Fruit Fly	<ul> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> </ul>
Large cardamom Sowing		Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.
Citrus Flov	vering Bark eating caterpillar	• Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Apple Floweri	ng	Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Temperate fruits  After ha	arvesting	<ul> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> <li>In case of flowering, stop spraying insecticides/pesticides</li> </ul>
Pineapple Harvest	ing	<ul> <li>★ After winter harvest, collection/Selection of suckers &amp; slip to be done for next season planting</li> </ul>
Kiwi Floweri	ng	Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.
Banana Bunchir	ng Cold	<ul> <li>Cover newly emerged bunches with locally available sack to protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid frost injury in banana.</li> </ul>
<b>Honey Bees</b>		
		♣ Box must be covered with straw/dry leaves to provide warmth

### General

- Damaged grain (not fungus contaminated) to be diverted for Poultry/livestock feeding
   Clean drinking water should be ensured round the clock and water troughs/feeders should be regularly cleaned,

Livestock	Stage	Disease	Precautionary	Practices to be followed		
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>sterilized proper together is advoor break- down toge</li></ul>	arbage fed to swine must be cooked and rly. Cooking the different raw materials cated to improve digestibility and to kins from some feeds.  and cover weak and sick animals with sack lways dry and that there is plenty. The given lukewarm feed and water. Worm with anti helmetic drugs (particularly Fento Plus @ 1 tablet per 30 kg body weight.		
Fishery			<b>❖</b> To avoid water	turbidity, use grass turfing or horticultural ment/dyke of the earthen fish pond.		
Cattle	All stages	FMD	Right time to de (particularly Ta kg body weight.	eworm with anti helmetic drugs apeworms) viz. Fento Plus @ 1 tablet per 30 bedding materials especially to new-born and & water		
Poultry	All stages		<b>❖</b> Provide shelter	to the backyard/scavenging poultry. Feed orning/evening to supplement scavenging.		
Mithun		FMD	<ul> <li>Polyvalent FMD months of age are cutaneous route.</li> <li>Pregnant animal avoided.</li> </ul>	O vaccine with serotype O, A and Asia at 6 and repeat after that 6 months interval by subsubsolve 7 months of pregnancy should be		
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247					

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

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

**Dated: Tue, 15th May, 2018** 

## ग्रामीण कृषि मौसम सेवा

## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

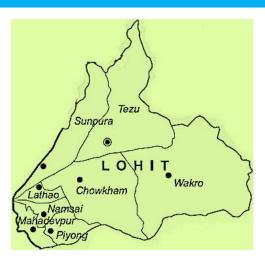






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**Advisory for district: Lohit** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = 42.4 mm	Partly cloudy with possibility of light/moderate rainfall. Daily
(up to 17 <sup>th</sup> April)	maximum and minimum temperature for the following period is
	predicted to be 29-30°C and 18-19°C respectively. Expected morning
	and evening relative humidity will be 91-96% and 48-55%
	respectively. Wind direction is mainly NE & ENE with speed range of
	2-4 kmph.
Warning:	• Nil

#### GENERAL RECOMMENDATIONS

- 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

#### DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROP	PS		
Jhum rice	Rooting/ Leaf		Provide proper drainage and soil conservation measures
	elongation		like mulching with locally available materials.
			Keep the periphery clean
			Avoid application of fertilizer and insecticides/pesticides
Rice	Nursery/trans	Stem borer	• Rice: Weed free & clean nursery periphery to prevent
	plantation		disease/pest harboring.
			• Wet seed treatment for 12hrs. in Carbendazim 50% WP
			(1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10

				litres of water) solution before sowing.
			•	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
				rice nursery as well as in main field.
			•	Cut the tips of the leaves before transplanting reduces the
				population of stem borer as the eggs are laid on that site. It
				will reduce the carryover of the infestation to the main field.
Maize	Vegetative	Soybean looper	*	Spraying of Quinalphos 25 EC 2ml/litre of water is
		1		advised,
	ļ		*	Monitor the crop against attack of insect pests,
	ļ		*	Make proper drainage in the crop field,
Pea	Seed	Powdery	*	Need based foliar spray of Dinocap (0.2%) or Carbendazim
	development	mildew/ leaf		50WP (0.1%) or Propiconazole (0.1%) using sticker if the
		eating insects		infestation is high.
VEGETABLE				
Summer	Sowing/	Flea beetles/	*	During clear/dry days, spray
vegetables	vegetative	fungal diseases		azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles
	ļ		*	During clear/dry days, spray
	ļ			carbandazim/Mancozab@2gm/lit to control fungal
Cuquabita	Vacatati		•	diseases in summer vegetables.
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
Ginger/ Turmeric	Sowing/		*	to avoid exposure to erosion,.  Mulching ginger beds with locally available
Omger/ Turmeric	germination		•	leaves/materials is advocated to enhance germination,
	germmaeron			prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
French Bean	Sowing		*	Sowing of quality seeds advocated
Okra	Sowing		*	Proper drainage to already sown crops
			*	Avoid fresh sowing
HORTICULT				
Guava	Flowering			Avoid water logging in the basin,
				Basin cleaning in half moon system is advised,
Banana	Bunching		*	Denavelling (removal of male bud) & bagging of
Citana	Elemenine	Douls acting		bunches advocated
Citrus	Flowering	Bark eating caterpillar	•	Prepare half moon terraces for fruit crops
	ļ	Caterpinal		(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Kiwi	Pruning/Training		*	Diseased and senile branches should be removed.
IXIVI			•	Pruning should be done retaining 8-10 buds per branch for
	ļ		•	enhancing new flush and flowering.
			*	Pruned healthy hard wood of pencil thickness size having
			•	4-5 buds can be used as cutting for propagation
Large Cardamom	Fruiting	Chirkey Disease	*	Remove dry/diseased/old tillers & branches & spray
Zurge curtumioni	1 Turning		•	Bio NPK@ 2ml/lit water for proper growth on
				clear/dry days.
<b>Honey Bees</b>				
Honey bees			*	Cover the boxes with locally available dry grass or straw to
				provide warmth
LIVESTOCKS	1			
Livestock	Stage	Disease		Precautionary Practices to be followed
				General
				verted for Poultry/livestock feeding
* Clean d	rinking water sn	iouia be ensurea	rouna	the clock and water troughs/feeders should be regularly
Pigs	All stages	FMD (high fever	•	Food waste or garbage fed to swine must be cooked and
0~		and appearance	•	sterilized properly. Cooking the different raw materials
		of mucous		together is advocated to improve digestibility and to
		membrane of the		break- down toxins from some feeds.
		mouth and foot.)	*	Avoid dampness and cover weak and sick animals with sack
	l '	Swine Fever	•	•
				CIOIN
			*	cloth.  The bedding is always dry and that there is plenty
			* *	The bedding is always dry and that there is plenty.  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.
Poultry	All stages		*	Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
			*	
			*	Inclusion of turmeric powder @ 10g/kg feed for
				prevention of cocciodiosis.
Goat	All stages		*	Deworming for gastrointestinal parasite
Fishery			*	To avoid water turbidity, use grass turfing or horticultural
•				crop at embankment/dyke of the earthen fish pond.
Cattle	All stages	FMD	*	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
			*	
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call			

at 03795-226237/226247

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Lower Dibang Valley** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = 98.0 mm (Roing) (up to 17 <sup>th</sup> April)	<b>Partly cloudy with possibility of moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 28-29°C and 17-18°C respectively. Expected morning and evening relative humidity will be 96-97% and 57-66%
	respectively. Wind direction is mainly SSE & ESE with speed range of 3-4 kmph.
Warning:	• Nil

- 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 CROI	FIELD CROPS				
Jhum rice	Rooting/ Leaf elongation		<ul> <li>Provide proper drainage and soil conservation measures like mulching with locally available materials.</li> </ul>		
			Keep the periphery clean		
			Avoid application of fertilizer and insecticides/pesticides		
Rice	Nursery/trans	Stem borer	Rice: Weed free & clean nursery periphery to prevent		

	plantation		dicasca/nect harbaring	
Maize	Vegetative  Seed development	Powdery mildew/leaf eating insects	<ul> <li>disease/pest harboring.</li> <li>Wet seed treatment for 12hrs. in Carbendazim 50% (1g/litre of water) &amp; Chlorpyriphos 20% EC (2ml in litres of water) solution before sowing.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem born rice nursery as well as in main field.</li> <li>Cut the tips of the leaves before transplanting reduces population of stem borer as the eggs are laid on that simular educe the carryover of the infestation to the main field.</li> <li>Spraying of Quinalphos 25 EC 2ml/litre of water is advised,</li> <li>Monitor the crop against attack of insect pests,</li> <li>Make proper drainage in the crop field,</li> <li>Provide adequate drainage and avoid water stagnater the base of the plants.</li> <li>Need based foliar spray of Dinocap (0.2%) or Carbend 50WP (0.1%) or Propiconazole (0.1%) using sticker it infestation is high.</li> </ul>	rer in s the te. It dd.
Toria/ Mustard	Maturity	Aphids	<ul> <li>Provide adequate drainage</li> <li>If the infestation is high, Spray Dimethoate 30EC @2ml against aphids in Rapeseed/Mustard using sticker or duclear/dry days.</li> </ul>	
<b>VEGETABLE</b>	S			
Cucurbits  Summer vegetables	Vegetative  Sowing/ vegetative	Flea beetles/ fungal diseases	<ul> <li>Cover the base of crop with locally available mulce to avoid exposure to erosion,.</li> <li>During clear/dry days, spray azadirachtin 0.15EC@6ml/lit against flea beetles</li> <li>During clear/dry days, spray carbandazim/Mancozab@2gm/lit to control fungal diseases in summer vegetables.</li> </ul>	hes
Ginger/ Turmeric	Sowing/ germination		Mulching ginger beds with locally avail leaves/materials is advocated to enhance germina prevent washing off during heavy rainfall, add org matter to the soil & conserve moisture during dry season.	tion, ganic
French Bean	Vegetative/flowe ring		Proper drainage	
Okra	Vegetative		Provide proper drainage	
HORTICULT		T		
Guava	Flowering		<ul> <li>Avoid water logging in the basin,</li> <li>Basin cleaning in half moon system is advised,</li> </ul>	
Banana	Bunching		Denavelling (removal of male bud) & bagging of bunches advocated	
Citrus	Flowering	Bark eating caterpillar	<ul> <li>Prepare half moon terraces for fruit c (orange/banana/apple/peach) in steep slopes to pre nutrient loss due to rain.</li> </ul>	rops
Large cardamom	Sowing		<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apar with mulching &amp; regular irrigation.</li> <li>Applications of well decomposed cattle manure/composed @5kg/plant during clear/dry days.</li> </ul>	
Honey Bees		I	Downwood he assumed with stress (4 1	
Honey bees			Box must be covered with straw/dry leaves to provide warmth	<i>:</i>
LIVESTOCKS				
U	0 , 0		<ul> <li>Precautionary Practices to be followed</li> <li>General</li> <li>be diverted for Poultry/livestock feeding</li> <li>round the clock and water troughs/feeders should be regular.</li> </ul>	ılarly
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw material together is advocated to improve digestibility and to	

		mouth and foot.) Swine Fever	* * *	break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
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,
			*	Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.
Goat	All stages		*	Deworming for gastrointestinal parasite
Cattle	All stages	FMD		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  K staff for measures against adverse conditions or call

at 03795-226237/226247

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Lower Subansiri** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = NA	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 30-31°C and 16-17°C respectively. Expected
	morning and evening relative humidity will be 94-95% and 57-61%
	respectively. Wind direction is mainly SSE & S with speed range of
	2-3 kmph.
Warning:	• Nil

### GENERAL RECOMMENDATIONS

- 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

#### DETAILS OF ADVISORIES FOR THE PERIOD

DETAILS OF ADVISORIES FOR THE LEXIOD			
Crop Stage Pest/Disease Precautionary Practices to be followed		Precautionary Practices to be followed	
FIELD CRC	PS		
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>
Rice	Nursery/trans	Stem borer	On anticipation of rain, provide proper drainage to the

Pea	plantation  Seed	Powdery	•	nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.  Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.  Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.  Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.  Provide adequate drainage and avoid water stagnation
	development	mildew/ leaf eating insects	*	near the base of the plants.  Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Toria/ Mustard	Seed formation/ ripening	Aphids	<b>*</b>	Suspend spray operations.  Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard on clear/dry days.
VEGETABLE		 		
Cucurbits Ginger/ Turmeric	Vegetative  Sowing/ germination		*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.  Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic
Pre-summer vegetables	Sowing	Nursery insects	•	matter to the soil & conserve moisture during dry seasons.  Right time for transplanting the ready seedlings of chili, tomato, capsicum etc.  Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing  Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
HODTICHI T	IIDAI CDODC			nties water/na against nursery insects
Peach	URAL CROPS Fruit maturing	Fruit Fly	**	Install furth fly who was a trans
		11uit 11y	<b>*</b>	Install fruit fly pheromone traps, Collect and dispose off the fallen fruits. Clean basin,
Guava	Flowering			Avoid water logging in the basin, Basin cleaning in half moon system is advised,
Citrus	Flowering	Bark eating caterpillar	•	Foliar application of Boron + Zinc @ 0.2% or multiplex @ 0.2% i.e 2g/lit of water to improve the yield and quality of fruits during clear/sunny days.  Cleaning & smearing of trunk base with Bordeaux paste.  Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.  If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.  Spray (Planofix) NAA based growth regulator @2m/5lit water during flowering stage in orange plant to reduce fruit/flower drop  For bark eating caterpillar, remove wooden frass and inject Dichlorovos (0.1%) @ 5ml with disposable syringe.  Dead wood on the citrus trees should be kept pruned, about 2cm, below the dead portion.
Large cardamom	Sowing		<b>*</b>	Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.  Applications of well decomposed cattle manure/compost  @5kg/plant during clear/dry days.
Kiwi	Flowering		<b>*</b>	Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.
Apple	Flowering			For woody aphid-Wipe the stem with cloth soaked in mineral oil.  In bearing trees give a spray of Bordeaux mixture (copper

				sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases.
emperate fruits	After harvesting		*	Training & pruning of the temperate crops (apple/pears/peach is recommended
			*	In case of flowering, stop spraying insecticides/pesticides
Agroforestry				
oko palm	Nursery		*	Filling of nursery polybags for raising of takopalm seedlings
Honey Bees				
loney bees			*	Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS	S			
Livestock	Stage	Disease		<ul><li>Precautionary Practices to be followed</li></ul>
Clean d cleaned,	rinking water sh	ould be ensured	round	verted for Poultry/livestock feeding the clock and water troughs/feeders should be regular
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* *	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* * * * * * *	
Cattle	All stages	FMD	<b>*</b>	Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 3
			*	kg body weight.  Provide proper bedding materials especially to new-born an lukewarm food & water  Provide feed supplements  Polyvalent FMD vaccine with serotype O, A and Asia at

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Papum Pare** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall: 43.9 mm; T. Max: 34.0°C; T. Min: 18.0°C; RH: 64-88% (up to 17 <sup>th</sup> April)	Partly cloudy with possibility of moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 30-32°C and 20-21°C respectively. Expected morning and evening relative humidity will be 88-97% and 58-70% respectively. Expected wind direction mainly variable with speed range of 2-3 kmph.
Warning:	•

- 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

- // 4111	* Warming. Spraying of DDT in crops is remain				
	DETAILS OF ADVISORIES FOR THE PERIOD				
Crop	Stage	Pest/Disease		Precautionary Practices to be followed	
			FIELD	CROPS	
Maize	Vegetative	Soybean looper	*	Spraying of Quinalphos 25 EC 2ml/litre of water is	
				advised,	
			*	Monitor the crop against attack of insect pests,	
			*	Make proper drainage in the crop field,	
Jhum rice	Rooting/ Leaf		•	Provide proper drainage and soil conservation measures	
	elongation			like mulching with locally available materials.	
			•	Keen the periphery clean	

			•	Avoid application of fertilizer and insecticides/pesticides
Rice	Nursery/trans	Stem borer	•	Rice: Weed free & clean nursery periphery to prevent
	plantation			disease/pest harboring.
			•	Wet seed treatment for 12hrs. in Carbendazim 50% WP
				(1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10
				litres of water) solution before sowing.
			•	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
				rice nursery as well as in main field.
			•	Cut the tips of the leaves before transplanting reduces the
				population of stem borer as the eggs are laid on that site. It
				will reduce the carryover of the infestation to the main field.
			VE	GETABLES
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
C	G : /	F1 1 41 /		to avoid exposure to erosion,.
Summer	Sowing/	Flea beetles/ fungal diseases	*	During clear/dry days, spray
vegetables	vegetative	Tuligat diseases	*	azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles
			*	During clear/dry days, spray carbandazim/Mancozab@2gm/lit to control fungal
				diseases in summer vegetables.
French Bean	vegetative		*	Proper drainage should be provided
Trenen Bean	vegetative		*	Troper dramage should be provided
Ginger/ Turmeric	Sowing/		*	Mulching ginger beds with locally available
	germination			leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
G		Н		ULTURAL CROPS
Guava	Flowering		*	Avoid water logging in the basin,
Cituma	Elemenia	Douly acting	*	Basin cleaning in half moon system is advised,
Citrus	Flowering	Bark eating caterpillar	•	Prepare half moon terraces for fruit crops
		Caterpinal		(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Banana	Bunching			Denavelling (removal of male bud) & bagging of
Danana	Dunching		•	bunches advocated
Large Cardamom	Vegetative		*	Provide proper drainage to avoid water stagnation in
Large Cardamoni	Vegetative		•	the base of the plant.
			Н	oney Bees
Honey bees				Box must be covered with straw/dry leaves to provide
				warmth
			LI	VESTOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
General				
		us contaminated) t	to be di	verted for Poultry/livestock feeding
	_	hould be ensured	round	the clock and water troughs/feeders should be regularly
cleaned,		EMD (1:1-1-f		
Pigs	All stages	FMD (high fever and appearance	*	Food waste or garbage fed to swine must be cooked and
		of mucous		sterilized properly. Cooking the different raw materials
		membrane of the		together is advocated to improve digestibility and to
		mouth and foot.)		break- down toxins from some feeds.
		Swine Fever	*	Avoid dampness and cover weak and sick animals with sack
				cloth.
			*	The bedding is always dry and that there is plenty.
			*	Animals should be given lukewarm feed and water.
			*	Right time to deworm with anti helmetic drugs (particularly
TO: 1				Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			*	To avoid water turbidity, use grass turfing or horticultural
				crop at embankment/dyke of the earthen fish pond.
Poultry	All stages		*	Provide shelter to the backyard/scavenging poultry. Feed
				grains in the morning/evening to supplement scavenging.  Day old chick Mointain wormth by lighting
			* *	Day old chick-Maintain warmth by lighting,  Inclusion of turmeric powder @ 10g/kg feed for
			**	prevention of cocciodiosis.
	I			prevention of cocciounsis.

Goat	All stages		*	Deworming for gastrointestinal parasite	
Cattle	All stages	FMD	*	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 Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				
		at 03	3795-22	26237/226247	

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Tawang** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = 7.6 mm (up to 17 <sup>th</sup> April)	Partly cloudy with possibility of light rain on 16 <sup>th</sup> & 20 <sup>th</sup> May.
	Daily maximum and minimum temperature for the following period
	is predicted to be 16-17°C and 4.0-5.0°C respectively. Expected
	morning and evening relative humidity will be 85-90% and 46-63%
	respectively. Wind direction is mainly NE & ENE with probable
	speed range of 3-6 kmph.
Warning:	•

#### GENERAL RECOMMENDATIONS

- $\bullet \quad Obtain \ seeds \ from \ reputed/certified/reliable \ source$
- 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

### DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease Precautionary Practices to be followed	
FIELD CRO	)PS		
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>
Maize	Sowing		Sowing of Maize advocated

			•	Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
			•	Follow time isolation of atleast 15 days for two or more different varieties of maize in Jhum field
Jhum field	Sowing		•	Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
			•	Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.  Carry out seed dressing/treatment with Thiram or
				Carbendazim @ 2g/kg seed before sowing
<b>VEGETABLE</b>	1			
Ginger/ Turmeric	Sowing/ germination		**	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
French bean	Vegetative		*	Avoid water stagnation near the base of plant by providing proper drainage
HORTICULT	URAL CROPS			proper drumage
Peach	Fruit maturing	Fruit Fly	* *	
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to
Apple	Flowering		*	protect flowers from heavy rain and hail storm.  For woody aphid-Wipe the stem with cloth soaked in mineral
			*	oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases during clear/dry days.
Temperate fruits	After harvesting		*	Training & pruning of the temperate crops (apple/pears/peach) is recommended
Banana	Bunching	Cold	<u> </u>	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.
LIVESTOCKS	S			
Livestock	Stage	Disease		<ul> <li>Precautionary Practices to be followed</li> </ul>
General				
				ed for Poultry/livestock feeding
Pigs	HIKING WAIGI SHOUL	d be ensured round	the cloc	ck and water troughs/feeders should be regularly cleaned.
1.53	All stages	FMD (high fever	the cloc	ck and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and
1.5		FMD (high fever and appearance		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials
1 100		FMD (high fever		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to
2.450		FMD (high fever and appearance of mucous		Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break-down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack
2.450		FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.
2.450		FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  Animals should be given lukewarm feed and water.
2.450		FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  Animals should be given lukewarm feed and water.  Right time to deworm with anti helmetic drugs (particularly
Poultry	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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.
		FMD (high fever and appearance of mucous membrane of the mouth and foot.)	* * * *	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break-down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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 shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Inclusion of turmeric powder @ 10g/kg feed for
	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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 shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.  Feeding of concentrate feed along with mineral mixture
Poultry	All stages  All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	* * * * * * *	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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 shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.  Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.

		*	(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				
ı	at 03795-226237/226247				

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

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Tirap** 



Weather summery of the previous week	Weather forecast valid up to 16 <sup>th</sup> May 2018
Rainfall = 11.4 mm (up to 17 <sup>th</sup> April)	Partly cloudy with possibility of light/moderate rain. Daily
	maximum and minimum temperature for the following period is
	predicted to be 30-32°C and 20-21°C respectively. Expected
	morning and evening relative humidity will be 97-100% and 44-
	53% respectively. Wind direction is mainly WSW & W with speed
	range of 2 kmph.
Warning:	• Nil

#### GENERAL RECOMMENDATIONS

- 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

## DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
FIELD CRO	PS				
Jhum rice	Rooting/ Leaf		• Provide proper drainage and soil conservation measures		
	elongation		like mulching with locally available materials.		
			Keep the periphery clean		
			Avoid application of fertilizer and insecticides/pesticides		
Maize	Vegetative	Soybean looper	Monitor the crop against attack of insect pests,		
			<ul> <li>Make proper drainage in the crop field,</li> </ul>		
Rice	Nursery/trans	Stem borer	• Rice: Weed free & clean nursery periphery to prevent		
	plantation		disease/pest harboring.		
			• Wet seed treatment for 12hrs, in Carbendazim 50% WP		

			<ul><li>litres</li><li>Rice: rice r</li><li>Cut to popular</li></ul>	tre of water) & Chlorpyriphos 20% EC (2ml in 10 of water) solution before sowing.  Spray Triazophos 40EC @ 4 ml/lit against stem borer in tursery as well as in main field.  The tips of the leaves before transplanting reduces the lation of stem borer as the eggs are laid on that site. It educe the carryover of the infestation to the main field.
VEGETABLES	S			
Summer vegetables	Sowing/ vegetative	Flea beetles/ fungal diseases	azad Duri carba	ng clear/dry days, spray irachtin <u>0.15EC@6ml/lit</u> against flea beetles ng clear/dry days, spray andazim/Mancozab@2gm/lit to control fungal uses in summer vegetables.
Cucurbits	Vegetative		to av Avoi thro	er the base of crop with locally available mulches void exposure to erosion,. d water stagnation near the base of the plant ugh proper drainage
Cucurbits	vegetative			d water stagnation near the base of the plant through er drainage
Ginger/ Turmeric	Sowing/ germination		* Mulco leave prevo	<u> </u>
HORTICULT	URAL CROPS			6 · J
Guava	Flowering			d water logging in the basin,
Citrus	Flowering	Bark eating caterpillar	• Prepa (oran	n cleaning in half moon system is advised, are half moon terraces for fruit crops age/banana/apple/peach) in steep slopes to prevent ent loss due to rain.
Banana	Bunching			ivelling (removal of male bud) & bagging of hes advocated
<b>Honey Bees</b>			o di ile	nes ad rocalean
			❖ Box warn	must be covered with straw/dry leaves to provide
LIVESTOCKS	3			
Livestock	Stage	Disease		<ul> <li>Precautionary Practices to be followed</li> </ul>
Clean declared,	d grain (not fung rinking water sl	hould be ensured	round the o	for Poultry/livestock feeding clock and water troughs/feeders should be regularly
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	steril toget breal Avoid cloth The b Anim Right	waste or garbage fed to swine must be cooked and ized properly. Cooking the different raw materials her is advocated to improve digestibility and to k-down toxins from some feeds.  d dampness and cover weak and sick animals with sack pedding is always dry and that there is plenty.  als should be given lukewarm feed and water.  time to deworm with anti helmetic drugs (particularly worms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery Poultry	All stages		<ul><li>To a crop</li><li>Prov grain</li></ul>	void water turbidity, use grass turfing or horticultural at embankment/dyke of the earthen fish pond. ide shelter to the backyard/scavenging poultry. Feed as in the morning/evening to supplement scavenging. old chick-Maintain warmth by lighting,
Goat	All stages			orming for gastrointestinal parasite
Cattle	All stages	FMD	(part kg bo Provi lukev	t time to deworm with anti helmetic drugs icularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 ody weight. de proper bedding materials especially to new-born and warm food & water de feed supplements

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

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

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: Upper Siang** 



Weather summery of the previous week	Weather forecast valid up to 16 <sup>th</sup> May 2018
Rainfall = $33.4 \text{ mm (up to } 17^{\text{th}} \text{ April)}$	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 87-92% and 54-63%
	respectively. Wind direction is mainly variable with speed range of
	2-3 kmph.
Warning:	• Nil

### GENERAL RECOMMENDATIONS

- 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

### DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CRO	PS		
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>
Pea	Seed development	Powdery mildew/ leaf eating insects	Provide adequate drainage and avoid water stagnation near the base of the plants.

Jhum field	Sowing		•	Adopt sowing of leguminous crops like cowpea, frenchbean,
				soybean etc at 2-3 rows across the slope of jhum field at
				desirable intervals or ratios with rice to prevent soil erosion
				and conserve moisture and fertility.  Carry out seed dressing/treatment with Thiram or
				Carbendazim @ 2g/kg seed before sowing.
			•	Cowpea variety (Kashi Kanchan) and Frenchbean variety
				(Selection-9) are advocated for intercropping as they are short
				duration, dwarf and high yielding.
VEGETABLE Cucurbits	S Vegetative		*	Cover the base of crop with locally available mulches
Cucurons	v egetative		•	to avoid exposure to erosion,.
			*	Avoid water stagnation near the base of the plant
G: /F	G : /			through proper drainage
Ginger/ Turmeric	Sowing/ germination		*	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination,
	germmation			prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
	URAL CROPS	Emrit Elv	*	T., .4. 11 C.,
Peach	Fruit maturing	Fruit Fly	*	Install fruit fly pheromone traps, Collect and dispose off the fallen fruits.
			*	Clean basin,
Citrus	Flowering	Bark eating	•	Prepare half moon terraces for fruit crops
		caterpillar		(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart
Large cardamom	Sowing		•	with mulching & regular irrigation.
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to
				protect flowers from heavy rain and hail storm.
Apple	Flowering		*	For woody aphid-Wipe the stem with cloth soaked in mineral oil.
			*	In bearing trees give a spray of Bordeaux mixture (copper
				sulphate (2Kg)+quick lime (2kg) in 200litres of water) against
				canker and other diseases.
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.
Livestocks		Diagona		A. Dwagovtionawy Dwagtigog to be followed
Livestock	Stage	Disease	*	❖ Precautionary Practices to be followed General
	rinking water sl		o be di	verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
Pigs	All stages	FMD (high fever	*	Food waste or garbage fed to swine must be cooked and
		and appearance of mucous		sterilized properly. Cooking the different raw materials
		membrane of the		together is advocated to improve digestibility and to break- down toxins from some feeds.
		mouth and foot.)	*	Avoid dampness and cover weak and sick animals with sack
		Swine Fever	•	cloth.
			*	The bedding is always dry and that there is plenty.
			*	Animals should be given lukewarm feed and water.
			*	Right time to deworm with anti helmetic drugs (particularly
Poultry	All stages		*	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.  Provide shelter to the backyard/scavenging poultry. Feed
1 Outu y	7 III stages		•	grains in the morning/evening to supplement scavenging.
			*	Inclusion of turmeric powder @ 10g/kg feed for
				prevention of cocciodiosis.
Ca41.	A 11			
Cattle	All stages	FMD	<b>*</b>	Animals should be given lukewarm feed and water.  Right time to deworm with anti helmetic drugs
Cattle	All stages	FMD		Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.

		<ul> <li>Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>		
Fishery		To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.		
Mithun	FMD	❖ Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.		
		Pregnant animals above 7 months of pregnancy should be avoided.		
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

Agrometeorological Field Unit ICAR, BASAR

## **Agro-met Advisory Bulletin**

(Period: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 2018

### ग्रामीण कृषि मौसम सेवा

### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

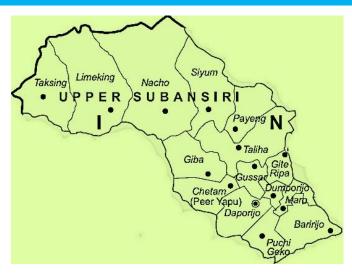






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**Advisory for district: Upper Subansiri** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Daporijo: 2.4 mm (up to 17 <sup>th</sup> April)	<b>Partly cloudy with possibility of moderate rainfall.</b> Daily maximum and minimum temperature for the following period is predicted to be 29-30°C and 16-18°C respectively. Expected morning and evening relative humidity will be 91-92% and 60-63% respectively. Expected wind direction is mainly SSE & S with speed range of 2-3 kmph.
Warning	Thunderstorm in few isolated places

#### GENERAL RECOMMENDATIONS

- 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

#### DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
•			FIELD CROPS
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>
Pea	Seed development	Powdery mildew/ leaf	Provide adequate drainage and avoid water stagnation near the base of the plants.

			*	Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
Jhum field	Sowing/ vegetative		•	Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion
			•	and conserve moisture and fertility.  Carry out seed dressing/treatment with Thiram or
				Carbendazim @ 2g/kg seed before sowing.
			•	Cowpea variety (Kashi Kanchan) and Frenchbean variety
				(Selection-9) are advocated for intercropping as they are short
				duration, dwarf and high yielding.
			VEGE	ΓABLES
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
				to avoid exposure to erosion,.
			*	Avoid water stagnation near the base of the plant
Ginger/ Turmeric	Sowing/		*	through proper drainage  Mulching ginger beds with locally available
Giligei/ Turmeric	germination		•	leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
				TURAL CROPS
Peach	Fruit maturing	Fruit Fly		Install fruit fly pheromone traps,
			*	
Citrus	Flowering	Bark eating	*	
Citius	Thowering	caterpillar	•	Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent
				nutrient loss due to rain.
Apple	Flowering		*	Prepare half moon terraces for fruit crops
				(orange/banana/apple/peach) in steep slopes to prevent
				nutrient loss due to rain.
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to
			•	protect flowers from heavy rain and hail storm.
Temperate fruits	After harvesting		*	Training & pruning of the temperate crops (apple/pears/peach)
•				is recommended
				y Bees
Honey bees				Provide sugar syrup near the box
			*	Add insulation and ventilation systems
- · · ·		7.	LIVES	STOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
. D	- ·- · ( <b>4 C</b>	4		neral
0 0			e diverto	ed for Poultry/livestock feeding
Clean drinki	ng water should b	e ensured round	e diverto the cloc	ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned,
0 0			e diverto the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and
Clean drinki	ng water should b	FMD (high fever and appearance of mucous	e diverto the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the	e diverto the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverto the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the	e diverte	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty. Animals should be given lukewarm feed and water.
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty. Animals should be given lukewarm feed and water.  Right time to deworm with anti helmetic drugs (particularly
• Clean drinki Pigs	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty. 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.
Clean drinki	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty. 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.  To avoid water turbidity, use grass turfing or horticultural
• Clean drinki Pigs  Fishery	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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.  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
• Clean drinki Pigs	ng water should b	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ek and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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. To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. Provide shelter to the backyard/scavenging poultry. Feed
• Clean drinki Pigs  Fishery	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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.  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
• Clean drinki Pigs  Fishery	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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.  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
• Clean drinki Pigs  Fishery	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	e diverte the cloc	ed for Poultry/livestock feeding ek and water troughs/feeders should be regularly cleaned,  Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty. 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.  To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.  Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.

		<ul> <li>(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>❖ Provide proper bedding materials especially to new-born and lukewarm food &amp; water</li> <li>❖ Provide feed supplements</li> </ul>		
Mithun		<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>		
<b>Contact Scientis</b>	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: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

**Dated: Tue, 15th May, 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

**Advisory for district: West Kameng** 



Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
Rainfall = Bomdila: 0.0; Bhalukpong: 28.4	Partly cloudy with possibility light/moderate rainfall in most of
mm (up to 17 <sup>th</sup> April)	the places. Daily maximum and minimum temperature for the
	following period is predicted to be 26-28°C and 14-15°C
	respectively. Expected morning and evening relative humidity will
	be 93-99% and 51-64% respectively. Wind direction is mainly SW
	& W with speed range of 3-4 kmph.
Warning:	Moderate to dense fog likely to occur at isolated places

#### GENERAL RECOMMENDATIONS

- 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

• Wallin	ig. Spraying or DE	of in crops is icun	••	
	DETAILS OF ADVISORIES FOR THE PERIOD			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
FIELD CROI	PS			
Jhum rice	Leaf elongation		<ul> <li>On anticipation of rain, provide proper drainage</li> </ul>	
			<ul> <li>Follow proper runoff management system to avoid</li> </ul>	
			loss of top soil due to heavy rainfall.	
			• Keep the surrounding clean/ weedfree to avoid	
			disease/pest harboring	

Rice	Nursery/trans plantation  Seed development	Powdery mildew/ leaf	•	On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.  Wet seed treatment for 12hrs. in Carbendazim 50% WP (1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.  Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.  Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.  Provide adequate drainage and avoid water stagnation
	development	eating insects		near the base of the plants.
VEGETABLE		Ü		
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.  Avoid water stagnation near the base of the plant through proper drainage
Ginger/ Turmeric	Sowing/ germination		*	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination, prevent washing off during heavy rainfall, add organic matter to the soil & conserve moisture during dry seasons.
HORTICULT		Emit El-	•	T., 4-11 6
Peach	Fruit maturing	Fruit Fly	* *	Install fruit fly pheromone traps, Collect and dispose off the fallen fruits. Clean basin,
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.
Apple	Flowering		* *	For woody aphid-Wipe the stem with cloth soaked in mineral oil. In bearing trees give a spray of Bordeaux mixture (copper sulphate (2Kg)+quick lime (2kg) in 200litres of water) against canker and other diseases.
Banana	Bunching	Cold	*	Cover newly emerged bunches with locally available sack to protect from cold/frost
LIVESTOCKS				
Livestock	Stage	Disease		* Precautionary Practices to be followed
			o be di	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* * *	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds.  Avoid dampness and cover weak and sick animals with sack cloth.  The bedding is always dry and that there is plenty.  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			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
Yak	All stages		<b>*</b>	Feeding of concentrate feed along with mineral mixture and salt.  Hay feeding is recommended.
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

Cattle	All stages	FMD	using gunny bags/plastic sheets around the poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.  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	<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by subcutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>		
Contact Scien	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: 16th to 18th May, 2018)

**No: AMFU-Basar/2018/39** 

Dated: Tue, 15th May, 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

**Advisory for district: West Siang** 



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

Weather summery of the previous week	Weather forecast valid up to 20 <sup>th</sup> May 2018
<b>Basar:</b> Rainfall =18.6 mm. T. Max: 27.3°C,	Partly cloudy with possibility of Moderate rainfall. Daily
T. Min: 12.4°C, RH: 49-94%, Wind Speed:	maximum and minimum temperature for the following period is
4-5 kmph, Wind Direction: NNE & WNW	predicted to be 30-31°C and 16-18°C respectively. Expected
	morning and evening relative humidity will be 85-89% and 54-60%
	respectively. Wind direction is mainly variable with speed range of
	2-3 kmph.
Warning:	• Nil

#### GENERAL RECOMMENDATIONS

- 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

	0 1 0	<u> </u>			
DETAILS OF ADVISORIES FOR THE PERIOD					
Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
FIELD CRO	PS				
Jhum rice	Rooting/ Leaf		<b>❖</b> Provide proper drainage and soil conservation measures		
	elongation		like mulching with locally available materials.		
			* Keep the periphery clean		

**❖** Avoid application of fertilizer and insecticides/pesticides

Diag	NT/4	C4 1		Disc. W. J. C
Rice	Nursery/trans plantation	Stem borer	*	Rice: Weed free & clean nursery periphery to prevent disease/pest harboring.
	prantation		*	Wet seed treatment for 12hrs. in Carbendazim 50% WP
				(1g/litre of water) & Chlorpyriphos 20% EC (2ml in 10
				litres of water) solution before sowing.
			*	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
				rice nursery as well as in main field.
			*	Cut the tips of the leaves before transplanting reduces the
				population of stem borer as the eggs are laid on that site. It
Maize	Vegetative	Soybean looper	*	will reduce the carryover of the infestation to the main field. <b>Avoid water stagnation in the field by making proper</b>
Wiaize	Vegetative	Soybean looper	*	drainage
			*	Keep the periphery of the field clean and weed free
Pea	Seed	Powdery		Provide adequate drainage and avoid water stagnation
	development	mildew/ leaf		near the base of the plants.
VEGETABLE	C	eating insects		
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
			·	to avoid exposure to erosion,.
			*	Avoid water stagnation near the base of the plant
				through proper drainage
Ginger/ Turmeric	Sowing/ germination		*	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination,
	germmation			prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
French Bean	Vegetative		*	Avoid water stagnation in field by making proper
портан	LIDAT CDODG			drainage.
HORTICULT Peach	Fruit maturing	Fruit Fly	*	Install fruit fly pheromone traps,
1 cach	Truit maturing	1 Tult 1 Ty	*	Collect and dispose off the fallen fruits.
			*	Clean basin,
Guava	Flowering		*	Avoid water logging in the basin,
G'.	771	D. I:	*	Basin cleaning in half moon system is advised,
Citrus	Flowering	Bark eating caterpillar	•	Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent
		Cuterpinar		nutrient loss due to rain.
Banana	Bunching		*	Denavelling (removal of male bud) & bagging of
				bunches advocated
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to
A 1				protect flowers from heavy rain and hail storm.
Apple	Flowering		*	For woody aphid-Wipe the stem with cloth soaked in mineral oil.
			*	In bearing trees give a spray of Bordeaux mixture (copper
				sulphate (2Kg)+quick lime (2kg) in 200litres of water) against
				canker and other diseases.
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart
			*	with mulching & regular irrigation.  Applications of well decomposed cattle manure/compost
				@5kg/plant during clear/dry days.
HONEY BEES	5			
Honey bees			*	
LIVESTOCKS	5			provide warmt
Livestock	Stage	Disease		<ul> <li>Precautionary Practices to be followed</li> </ul>
Pigs	All stages	FMD (high fever	*	Food waste or garbage fed to swine must be cooked and
		and appearance		sterilized properly. Cooking the different raw materials
		of mucous membrane of the		together is advocated to improve digestibility and to
		membrane of the mouth and foot.)		break- down toxins from some feeds.
		Swine Fever	*	Avoid dampness and cover weak and sick animals with sack
			.*.	cloth.  The hadding is always dry and that there is planty
			* *	The bedding is always dry and that there is plenty.  Animals should be given lukewarm feed and water.
	İ	i	•	rinning browns of given ture watti iccu and watti.

			*	Right time to deworm with anti helmetic drugs (particularly
				Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weigh
Fishery			*	To avoid water turbidity, use grass turfing or horticultur
				crop at embankment/dyke of the earthen fish pond.
Poultry All stage	All stages		*	Provide shelter to the backyard/scavenging poultry. Fed
				grains in the morning/evening to supplement scavenging.
			*	Day old chick-Maintain warmth by lighting,
			*	Inclusion of turmeric powder @ 10g/kg feed f
				prevention of cocciodiosis.
Cattle All stages	All stages	FMD	*	Animals should be given lukewarm feed and water.
			*	Right time to deworm with anti helmetic drugs
			(particularly Tapeworms) viz. Fento Plus @ 1 tablet per	
				kg body weight.
			*	Provide feed supplements
Mithun		FMD	*	Polyvalent FMD vaccine with serotype O, A and Asia at
				months of age and repeat after that 6 months interval by su
				cutaneous route.
			*	Pregnant animals above 7 months of pregnancy should
				avoided.

at 03795-226237/226247