# **Agro-met Advisory Bulletin**

(Period: 23<sup>rd</sup> to 25<sup>th</sup> May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22nd May, 2018

ग्रामीण कृषि मौसम सेवा

#### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

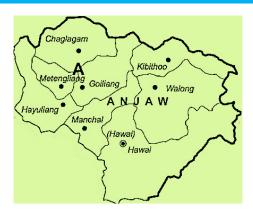






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

# 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 27 <sup>th</sup> May 2018
No weather summary available	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 27-29°C and 15-16°C
	respectively. Expected morning and evening relative humidity will
	be 90-97% and 68-78% respectively. Wind direction is mainly ESE
	& E with average wind speed range of 2-5 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

Сгор	Stage	<b>Pest/Disease</b>	Precautionary Practices to be followed
<b>FIELD CROP</b>	S		
Rice	Transplantation / leaf elongation	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>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.</li> </ul>
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/ weed free to avoid disease/pest harboring
			•	Manual weeding advocated during clear dry days.
Pea	Maturity	Powdery mildew/ leaf	*	Green pods can he harvested during sunny days Provide adequate drainage and avoid water stagnation near the
		eating insects	*	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	Harvesting	Aphids		Harvest during clear/dry days Provide adequate drainage
			*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
VEGETABLE				
Ginger/ Turmeric	s 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.
Summer vegetables	Sowing		*	Right time for transplantation of healthy seedlings to main field from nursery
			* *	Sowing advocated during clear/dry days Provide adequate drainage to already sown crops
	URAL CROPS			
Peach	Fruit maturing	Fruit Fly		Install fruit fly pheromone traps,
			*	Collect and dispose off the fallen fruits. Clean basin,
Citrus	Flowering	Fruit drop/ Phytophthora	•	Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop
			•	During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush. During clear dry days or using stickers during rain, spraying
				and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.
			•	Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
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
Apple	Fruiting	Fruit drop	*	@5kg/plant during clear/dry days. Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to
LIVESTOCKS	2			inhibit fruit drop
Livestock	Stage	Disease		Precautionary Practices to be followed
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 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
	1			Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
		1		
Poultry	All stages			Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
Poultry Fishery	All stages		*	

			Broadcast mustard Oil Cake (MOC) @5kg/day over pond twice daily to feed fish fingerlings.
Cattle	All stages	FMD	<ul> <li>Animals should be given lukewarm feed and water.</li> <li>Right time to deworm with anti helmetic drugs         <ul> <li>(particularly Tapeworms) viz. Fento Plus @ 1 tablet pekg body weight.</li> </ul> </li> <li>Provide proper bedding materials especially to new-born lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Mithun		FMD	Polyvalent FMD vaccine with serotype O, A and Asia months of age and repeat after that 6 months interva sub-cutaneous route. Pregnant animals above 7 month pregnancy should be avoided from vaccination.
Contact S	cientists (ICAR) or St	ate Agril Staff or	KVK staff for measures against adverse conditions or call at 03795- 226237/226247

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(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

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ग्रामीण कृषि मौसम सेवा

## GRAMIN KRISHI MAUSAM SEWA

#### (Integrated Agro-Meteorological Advisory Services)





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

## **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 27 <sup>th</sup> May 2018
Rainfall = Changlang: 0.0 mm Miao: 19.4	Mostly cloudy with possibility of moderate to rather heavy rain.
mm (up to 17 <sup>th</sup> April)	Daily maximum and minimum temperature for the following period
	is predicted to be 30-34°C and 20-21°C respectively. Expected
	morning and evening relative humidity will be 94-98% and 44-87%
	respectively. Wind direction is mainly E & ESE 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

Crop	Stage	Pest/Disease	<b>Precautionary Practices to be followed</b>
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
Rice	Leaf	Stem borer	• Rice: Weed free & clean nursery periphery to prevent
	Elongation/		disease/pest harboring.

	Tillering		•	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
	Thiering		-	rice nursery as well as in main field.
Maize	Pod formation	Soybean looper	*	Provide proper drainage
		2 1	*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
			*	Monitor the crop against attack of insect pests,
Pea	Seed	Powdery	*	Harvest mature crops
	development/	mildew/ leaf	*	Need based foliar spray of Dinocap (0.2%) or Carbendazim
	maturity	eating insects		50WP $(0.1\%)$ or Propiconazole $(0.1\%)$ using sticker if the
				infestation is high.
VEGETABLE				
Ginger/ Turmeric	1		*	Mulching ginger beds with locally available
	germination		***	leaves/materials is advocated to enhance germination,
	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
Cucurons	, egotati , e		•	to avoid exposure to erosion,.
French Bean	Sowing		**	In present weather conditions, sowing of quality
Trenen Dean	Sound		•	seeds may be done,
			*	Treat the seeds with Imidacloprid 17SL @1ml/litre/
			***	
Okra	Sowing			kilogram seed before sowing.
UNIA	Sowing			Procure quality seed from certified agency.
q	<b>A C C C</b>			Avoid sowing during rainy days
Summer	Sowing/	Flea beetles/	*	8
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
				diseases in summer vegetables.
	URAL CROPS			
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree
				trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain,
				spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit
			_	water on the tree against Phytophthora.
			•	Prepare half moon terraces for fruit crops
				(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering		*	Avoid water logging in the basin,
Guava	Tiowening			
I anaa aandamaan	Couring			Basin cleaning in half moon system is advised,
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
Danana	Dunching			bunches advocated.
HONEY BEES	2			
				Dow must be account with stream/dim 1 to '1
Honey bees			***	Box must be covered with straw/dry leaves to provide
			•	warmth
			**	Provide sugar syrup
LIVESTOCKS				
LIVESTOCK: Livestock	S Stage	Disease		Precautionary Practices to be followed
Livestock	Stage			General
Livestock	Stage	us contaminated)	to be di	General verted for Poultry/livestock feeding
Livestock	Stage ed grain (not fung Irinking water sl	us contaminated)	to be di	General verted for Poultry/livestock feeding
Livestock	Stage ed grain (not fung Irinking water sl	us contaminated)	to be di round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
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Livestock	Stage ed grain (not fung Irinking water sl	us contaminated)	to be div round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
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Livestock	Stage ed grain (not fung Irinking water sl	us contaminated) hould be ensured	to be div round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Livestock	Stage ed grain (not fung Irinking water sl	us contaminated)	to be div round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings. Food waste or garbage fed to swine must be cooked and
Livestock	Stage ed grain (not fung Irinking water sl	us contaminated) hould be ensured FMD (high fever	to be div round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings. Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials
Livestock	Stage ed grain (not fung Irinking water sl	us contaminated) hould be ensured FMD (high fever and appearance	to be div round	General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings. Food waste or garbage fed to swine must be cooked and

		Swine Fever	<ul> <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> </ul>	
Poultry	All stages		<ul> <li>Provide shelter to the backyard/scavenging poultry.</li> <li>Feed grains in the morning/evening to supplement scavenging.</li> </ul>	
Goat	All stages		<ul> <li>Deworming for gastrointestinal parasite</li> </ul>	
Cattle	All stages	FMD	<ul> <li>Right time to deworm with anti helmetic drugs         (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>	
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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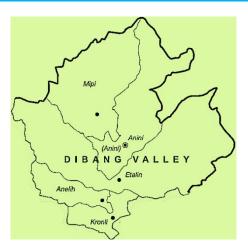






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

### **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 27 <sup>th</sup> May 2018
Rainfall = 1.0 mm (Anini) (up to 17 <sup>th</sup> April)	Mostly cloudy with possibility of moderate to rather heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 13-14°C respectively. Expected morning and evening relative humidity will be 98-99% and 69-84% respectively. Wind direction is mainly E & ESE with speed range of 3-4 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Rice	Transplantation / leaf elongation	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>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 avoi
			loss of top soil due to heavy rainfall.
			• Keep the surrounding clean/ weedfree to avoi
			disease/pest harboring
Pea	Maturity	Powdery	<ul> <li>Green pods can he harvested during sunny days</li> </ul>
		mildew/ leaf eating insects	<ul> <li>Provide adequate drainage and avoid water stagnation near the second stagnation of the second stagnation.</li> </ul>
		cuting insects	<ul> <li>base of the plants.</li> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazi</li> </ul>
			50WP (0.1%) or Propiconazole (0.1%) using sticker if th
			infestation is high.
Toria/ Mustard	Harvesting	Aphids	Harvest during clear/dry days
		_	<ul> <li>Provide adequate drainage</li> </ul>
			If the infestation is high, Spray Dimethoate 30EC @2ml/lit
			against aphids in Rapeseed/Mustard using sticker or durin
			clear/dry days.
<b>VEGETABLE</b> Cucurbits	<b>S</b> Vegetative		
Cucurbits	vegetative		Cover the base of crop with locally available mulches to avoid exposure to erosion,.
Ginger/ Turmeric	c Sowing/		<ul> <li>Mulching ginger beds with locally availab</li> </ul>
-	germination		leaves/materials is advocated to enhance germination
			prevent washing off during heavy rainfall, add organ
Potato	Maturity/		<ul> <li>matter to the soil &amp; conserve moisture during dry seasons</li> <li>Harvesting recommended during clear/dry days</li> </ul>
10000	Harvesting		<ul> <li>Store already harvested potatoes in a cool, well ventilate</li> </ul>
			place/ do not wash before storing as dampness promotes ear
			spoilage.
HORTICULT	URAL CROPS		
Apple	Fruiting	Fruit drop	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop
Citrus	Flowering	Fruit drop/	• Foliar application of micronutrient/multiplex @ 0.2
		Phytophthora	should be done to prevent flower drop
			<ul> <li>During clear dry days, apply Bordeaux paste on the tree trur upto the height of 24 inches by brush.</li> </ul>
			<ul> <li>During clear dry days or using stickers during rain, sprayir</li> </ul>
			and drenching with metalaxyl MZ-72 @ 2.75 g/lit water of
			the tree against Phytophthora.
			<ul> <li>Prepare half moon terraces for fruit crop (orange/banana/apple/peach) in steep slopes to prevent</li> </ul>
			nutrient loss due to rain.
Peach	Fruit maturing	Fruit Fly	<ul> <li>Install fruit fly pheromone traps,</li> </ul>
			<ul> <li>Collect and dispose off the fallen fruits.</li> </ul>
			<ul> <li>Clean basin,</li> </ul>
I ange sendereen	Convince		
Large cardamom	Sowing		<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> </ul>
Large cardamom Kiwi	Sowing Flowering		Sowing in primary nursery bed at 2cm depth & 10cm apart
Kiwi			<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> </ul>
Kiwi Honey Bees			<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> </ul>
Kiwi			<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to</li> </ul>
Kiwi Honey Bees			<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> </ul>
Kiwi Honey Bees Honey bees	Flowering		<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> </ul>
Kiwi Honey Bees Honey bees LIVESTOCK	Flowering S		<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> <li>Provide sugar syrup in a bowl in front of the box in case of heavy rainfall</li> </ul>
Kiwi Honey Bees Honey bees	Flowering	Disease	<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> <li>Provide sugar syrup in a bowl in front of the box in case of heavy rainfall</li> <li>Precautionary Practices to be followed</li> </ul>
Kiwi Honey Bees Honey bees LIVESTOCK	Flowering S Stage	I I	<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> <li>Provide sugar syrup in a bowl in front of the box in case of heavy rainfall</li> <li>Precautionary Practices to be followed</li> <li>General</li> </ul>
Kiwi Honey Bees Honey bees LIVESTOCK Livestock Clean c	Flowering Flowering S S S and grain (not funger Brinking water shows the sho	us contaminated)	<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> <li>Provide sugar syrup in a bowl in front of the box in case of heavy rainfall</li> <li>Precautionary Practices to be followed</li> </ul>
Kiwi Honey Bees Honey bees LIVESTOCK Livestock Clean d cleaned	Flowering Flowering S S S and grain (not funger Brinking water shows the sho	us contaminated)	<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> <li>Provide sugar syrup in a bowl in front of the box in case of heavy rainfall</li> <li>Precautionary Practices to be followed</li> <li>General</li> <li>to be diverted for Poultry/livestock feeding</li> </ul>
Kiwi Honey Bees Honey bees LIVESTOCK Livestock Clean c	Flowering Flowering S S S and grain (not funger Brinking water shows the sho	us contaminated)	<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Cover the boxes with locally available dry grass or straw to provide warmth</li> <li>Provide sugar syrup in a bowl in front of the box in case of heavy rainfall</li> <li>Precautionary Practices to be followed</li> <li>General</li> <li>to be diverted for Poultry/livestock feeding</li> </ul>

			pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>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.</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> </ul>
Poultry	All stages		<ul> <li>Provide shelter to the backyard/scavenging poultry. Feed 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 30         kg body weight.</li> <li>Supportive treatment of infected animals under supervision of         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 6 months of age and repeat after that 6 months interval by sub-cutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be</li> </ul>

# **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22<sup>nd</sup> 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 27 <sup>th</sup> May 2018
Rainfall = 5.3 mm (up to 17 <sup>th</sup> April)	<b>Mostly cloudy with possibility moderate to rather heavy rain.</b> Daily maximum and minimum temperature for the following period is predicted to be 30-32°C and 17-19°C respectively. Expected morning and evening relative humidity will be 92-98% and 57-79%
Warning:	respectively. Expected wind direction is mainly SE & ESE with speed range of 2-3 kmph.

#### 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROP	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>
Maize	Pod formation	Soybean looper	<ul> <li>Provide proper drainage</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit</li> <li>Monitor the crop against attack of insect pests,</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 (1g/litre of water) &amp; Chlorpyriphos 20% EC (2ml in 10 litres of water) solution before sowing.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.</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.
Pea	Pod mature	Birds	<ul> <li>Avoid water stagnation near base of the plants</li> <li>Harvest of green pods,</li> <li>Use of scare crow and tying of bird scare tape around the</li> </ul>
			crop field,
			VEGETABLES
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
vegetables	vegetative	Tuligat diseases	<ul> <li>azadirachtin<u>0.15EC@6ml/lit</u> against flea beetles</li> <li>✤ During clear/dry days, spray</li> </ul>
			carbandazim/Mancozab@2gm/lit to control fungal
			diseases in summer vegetables.
Ginger/ Turmeric	0		✤ 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.
Potato	Maturity/		<ul> <li>Harvest only during clear/dry days</li> </ul>
	harvesting		
	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	Bunching	Cold	Cover newly emerged bunches with locally available sack to
			<ul> <li>protect from cold/frost</li> <li>Mulching with straw/crop residue at root zone to avoid</li> </ul>
			frost injury in banana.
Large Cardamom	Vegetative/ flowering stage		<ul> <li>Provide proper drainage to avoid water stagnation in the base of the plants.</li> </ul>
LIVESTOCKS	5		
Livestock	Stage	Disease	<ul> <li>Precautionary Practices to be followed</li> </ul>
0	rinking water sl		General to be diverted for Poultry/livestock feeding round 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	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	<ul> <li>Avoid dampness and cover weak and sick animals with sack cloth.</li> </ul>
			<ul> <li>The bedding is always dry and that there is plenty.</li> </ul>
			<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>
			<ul> <li>Right time to deworm with anti helmetic drugs (particularly</li> </ul>
			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.
			<ul> <li>Right time to deworm with anti helmetic drugs (particularly</li> <li>Transmuss) are Fourte Place @ 14 ablet non 20 he he downight</li> </ul>
			<ul> <li>Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.</li> <li>Deworming for gastrointestinal parasite</li> </ul>
Cast	A 11 at a		μαιγωρηματική μως αμετρωπερετική καταθιτά
Goat	All stages		
Goat Fishery	All stages		<ul> <li>To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li> </ul>

			*	Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Cattle	All stages	FMD	*	Right time to deworm with anti helmetic drugs(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30kg body weight.Provide proper bedding materials especially to new-born andlukewarm food & waterProvide 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: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22nd 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 27 <sup>th</sup> May 2018
Rainfall: 104.8 mm; T. Max: 32.0°C; T. Min:	Mostly cloudy with possibility of moderate to rather heavy
18.0°C ; RH: 54-100% (up to 17 <sup>th</sup> April)	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 31-34°C and 21-23°C
	respectively. Expected morning and evening relative humidity will
	be 93-99% and 70-93% respectively. Expected wind direction is
	mainly ESE & NE with speed range of 2 kmph.
Warning:	• Nil

### Weather Based Agro-meteorological Advisories Bulletin

<ul><li>Obtain s</li><li>Use ferti</li><li>Preferent</li></ul>	lizers/pesticides a ice must be given	d/certified/reliabl is per recommend	ed doses for the location manures/bio-fertilizers & bio-pesticides	
Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
FIELD CROP	S			
Rice	Leaf Elongation/ Tillering	Stem borer	<ul> <li>Rice: Weed free &amp; clean nursery periphery to prevent disease/pest harboring.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.</li> </ul>	

Jhum rice	Rooting/ Leaf		•	Provide proper drainage and soil conservation measures
	elongation			like mulching with locally available materials.
			•	Keep the periphery clean
Maize	Pod formation	Souhaan laanan	•	Avoid application of fertilizer and insecticides/pesticides
Maize	Pod formation	Soybean looper	*	Provide proper drainage Spray Azadirachtin 0.15% EC 2@ 6ml/lit
			*	Monitor the crop against attack of insect pests,
Pea	Pod mature	Birds	*	Harvest of green pods,
			*	Use of scare crow and tying of bird scare tape around the
Toria/ Mustard	Maturity/	Aphid	*	crop field, Harvesting of mature crop,
1011a/ Wiustaid	Harvesting	Apind	*	If only infestation is high, Spraying of dimethoate @ 2 ml
				per litre of water is advised using proper sticker,
VEGETABLE		1 1		
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
Summer	Sowing/	Flea beetles/	*	to avoid exposure to erosion,. 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
Ginger/ Turmeric	Sowing/		*	diseases in summer vegetables. Mulching ginger beds with locally available
	germination		·	leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
HORTICULT	URAL CROPS			matter to the soil & conserve moisture during dry seasons.
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree
				trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit
				water on the tree against Phytophthora.
			•	Prepare half moon terraces for fruit crops
				(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
Guava	Flowering		*	Avoid water logging in the basin,
Derene	Dunching			Basin cleaning in half moon system is advised,
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.
Honey Bees	I	, ,		
Honey bees			*	Cover the boxes with locally available dry grass or straw to provide warmth
LIVESTOCKS	5			
Livestock	Stage	Disease		Precautionary Practices to be followed
• •				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.
			*	Broadcast mustard Oil Cake (MOC) @5kg/day over the
Pigs	All stages	FMD (high fever	<b>.</b>	pond twice daily to feed fish fingerlings. Food waste or garbage fed to swine must be cooked and
r igs	All stages	and appearance	*	sterilized properly. Cooking the different raw materials
		of mucous		together is advocated to improve digestibility and to
		membrane of the mouth and foot.)		break- down toxins from some feeds.
		Swine Fever	*	1
			.•.	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.
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	* * *	(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 Scier	ntists (ICAR) or	U		K staff for measures against adverse conditions or call 26237/226247
		at U.	5195-44	

# **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22<sup>nd</sup> 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 27 <sup>th</sup> May 2018
Past weather summary not available	Mostly cloudy with possibility of moderate to rather heavy rain.
	Daily maximum and minimum temperature for the following period
	is predicted to be 25-26°C and 12-13°C respectively. Expected
	morning and evening relative humidity will be 88-96% and 64-79%
	respectively. Wind direction is mainly SE & SSE with wind speed
	range of 3-5 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 A	DVISORIES FOR THE PERIOD
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROP	S		
Rice	Transplantation / leaf elongation	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>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.</li> </ul>

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.
			٠	Keep the surrounding clean/ weedfree to avoid
				disease/pest harboring
Pea	Maturity	Powdery	*	Green pods can he harvested during sunny days
		mildew/ leaf eating insects	*	Provide adequate drainage and avoid water stagnation near the
		cating insects		base of the plants.
			**	Need based foliar spray of Dinocap $(0.2\%)$ or Carbendazim 50WD $(0.1\%)$ as Providence 10 (0.1\%) using sticker if the
				50WP $(0.1\%)$ or Propiconazole $(0.1\%)$ using sticker if the infestation is high.
Toria/ Mustard	Harvesting	Aphids	*	Harvest during clear/dry days
	in the second	- ipinos		Provide adequate drainage
			*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre
				against aphids in Rapeseed/Mustard using sticker or during
				clear/dry days.
VEGETABLE				
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
<u> </u>	g : /		•	to avoid exposure to erosion,.
Ginger/ Turmeric	Sowing/ germination		•••	Mulching ginger beds with locally available leaves/materials is advocated to enhance germination
	germination			prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
Summer	Sowing		*	Sowing advocated during clear/dry days
vegetables				
Cabbage/ Cauliflower	Harvesting		*	Harvest mature crop.
	URAL CROPS		~	Constantly monitor against attack of insects pests/mole.
Citrus	Flowering	Fruit drop/	•	Foliar application of micronutrient/multiplex @ 0.2%
	C C	Phytophthora		should be done to prevent flower drop
			٠	During clear dry days, apply Bordeaux paste on the tree trunk
				upto the height of 24 inches by brush.
			٠	During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water or
				the tree against Phytophthora.
			٠	Prepare half moon terraces for fruit crop
				(orange/banana/apple/peach) in steep slopes to preven
A.m. 1.0	Emilia	Emit duon		nutrient loss due to rain.
Apple	Fruiting	Fruit drop	***	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop
Peach	Fruit maturing	Fruit Fly	*	Install fruit fly pheromone traps,
	1 1010 110001119			Collect and dispose off the fallen fruits.
				Clean basin,
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart
				with mulching & regular irrigation.
Temperate fruits	After harvesting		*	Training & pruning of the temperate crops (apple/pears/peach
			*	is recommended In case of flowering, stop spraying insecticides/pesticides
Pineapple	Harvesting		*	After winter harvest, collection/Selection of suckers & slip
11	0			to be done for next season planting
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to
				protect flowers from heavy rain and hail storm.
Banana	Bunching	Cold	*	Cover newly emerged bunches with locally available sack to
				protect from cold/frost Mulching with stream/oren residue at root zone to avoid
			*	Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Honey Bees			*	Box must be covered with straw/dry leaves to provide
Honey Bees			•	Dox must be covered with shaw/dry reaves to provide
Honey Bees			•	warmth

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

Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	8		<ul> <li>To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.</li> </ul>
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	<ul> <li>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.</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 weigh</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>Provide proper bedding materials especially to new-born an         lukewarm food &amp; water</li> <li>Provide feed supplements</li> </ul>
Poultry	All stages		<ul> <li>Provide shelter to the backyard/scavenging poultry. Fee grains in the morning/evening to supplement scavenging.</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 sul cutaneous route.</li> <li>Pregnant animals above 7 months of pregnancy should be avoided.</li> </ul>

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No: AMFU-Basar/2018/41

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## GRAMIN KRISHI MAUSAM SEWA

#### (Integrated Agro-Meteorological Advisory Services)

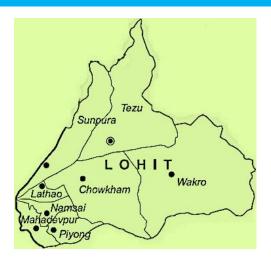






#### AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

## **Advisory for district: Lohit**



Weather summery of the previous week	Weather forecast valid up to 23 <sup>rd</sup> May 2018
Rainfall = 42.4 mm	Mostly cloudy with possibility of rather heavy to heavy rainfall.
(up to 17 <sup>th</sup> April)	Daily maximum and minimum temperature for the following period is
	predicted to be 30-33°C and 19-20°C respectively. Expected morning
	and evening relative humidity will be 94-98% and 57-81%
	respectively. Wind direction is mainly ENE & E with speed range of
	3-4 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
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Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CRO</b>	PS		
Rice	Leaf	Stem borer	• Rice: Weed free & clean nursery periphery to prevent
	Elongation/		disease/pest harboring.
	Tillering		• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
			rice nursery as well as in main field.
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	Pod formation	Soybean looper		Provide proper drainage
			*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
Pea	Seed	Powdery		Monitor the crop against attack of insect pests, Need based foliar spray of Dinocap (0.2%) or Carbendazim
i ca	development	mildew/ leaf	•	50WP (0.1%) or Propiconazole (0.1%) using sticker if the
		eating insects		infestation is high.
VEGETABLE	S	<u> </u>		
Summer	Sowing/	Flea beetles/	*	During clear/dry days, spray
vegetables	vegetative	fungal diseases		azadirachtin0.15EC@6ml/lit against flea beetles
			*	During clear/dry days, spray
				carbandazim/Mancozab@2gm/lit to control fungal
Cucurbits	Vegetative			diseases in summer vegetables.
Cucurons	vegetative		*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
Ginger/ Turmeric	Sowing/		*	Mulching ginger beds with locally available
Singer, Turnerie	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.
French Bean	Sowing		*	Sowing of quality seeds advocated
Okra	Sowing			Proper drainage to already sown crops
HORTICULT			*	Avoid fresh sowing
Guava	Flowering		*	Avoid water logging in the basin,
Oduvu	Tiowening		*	Basin cleaning in half moon system is advised,
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree
	8	<i>jp</i>		trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain,
				spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit
				water on the tree against Phytophthora.
			•	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
Kiwi	Pruning/Training			Diseased and senile branches should be removed.
			*	Pruning should be done retaining 8-10 buds per branch for
				enhancing new flush and flowering.
			*	Pruned healthy hard wood of pencil thickness size having
	<b>D</b>			4-5 buds can be used as cutting for propagation
Large Cardamom	Fruiting	Chirkey Disease	*	Remove dry/diseased/old tillers & branches & spray
				Bio NPK@ 2ml/lit water for proper growth on clear/dry days.
Honey Bees				cical/uly uays.
Honey bees			*	Cover the boxes with locally available dry grass or straw to
				provide warmth
LIVESTOCKS	5			
Livestock	Stage	Disease		Precautionary Practices to be followed
			*	General
				verted for Poultry/livestock feeding
<ul> <li>Clean d cleaned,</li> </ul>	rinking water sl	nould be ensured	round	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.
			*	Broadcast mustard Oil Cake (MOC) @5kg/day over the
				pond twice daily to feed fish fingerlings.
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
		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 bedding is always dry and that there is plenty.

			<ul> <li>Animals should be given lukewarm feed and water.</li> </ul>
			<ul> <li>Right time to deworm with anti helmetic drugs (particularly</li> </ul>
			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.
			<ul> <li>Day old chick-Maintain warmth by lighting,</li> </ul>
			Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.
Goat	All stages		<ul> <li>Deworming for gastrointestinal parasite</li> </ul>
Cattle	All stages	FMD	<ul> <li>Right time to deworm with anti helmetic drugs (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>
Contact Scier	ntists (ICAR) or S	U	f or KVK staff for measures against adverse conditions or call 3795-226237/226247

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## GRAMIN KRISHI MAUSAM SEWA

#### (Integrated Agro-Meteorological Advisory Services)

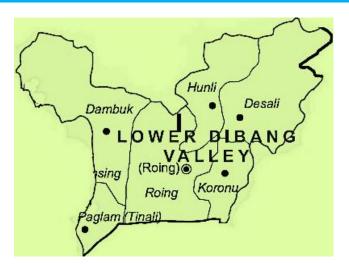






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

### **Advisory for district: Lower Dibang Valley**



Weather summery of the previous week	Weather forecast valid up to 27 <sup>th</sup> May 2018
Rainfall = 98.0 mm (Roing) (up to $17^{\text{th}}$	Mostly cloudy with possibility of moderate to rather heavy
April)	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 30-32°C and 17-19°C
	respectively. Expected morning and evening relative humidity will be
	92-98% and 57-79% respectively. Wind direction is mainly SE 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

		<b>DETAILS OF A</b>	DVISORIES FOR THE PERIOD
Crop	Stage	<b>Pest/Disease</b>	<b>Precautionary Practices to be followed</b>
<b>FIELD CROI</b>	2S		
Rice	Leaf Elongation/ Tillering	Stem borer	<ul> <li>Rice: Weed free &amp; clean nursery periphery to prevent disease/pest harboring.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.</li> </ul>
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	Pod formation	Soybean looper	*	Provide proper drainage
			*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
<u> </u>	<u> </u>	<b>D</b> 1	*	Monitor the crop against attack of insect pests,
Pea	Seed development	Powdery mildew/ leaf	*	Provide adequate drainage and avoid water stagnation
	development	eating insects	*	<b>near the base of the plants.</b> Need based foliar spray of Dinocap (0.2%) or Carbendazim
		C		50WP $(0.1\%)$ or Propiconazole $(0.1\%)$ using sticker if the
				infestation is high.
Toria/ Mustard	Maturity	Aphids	*	Provide adequate drainage
		-	*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre
				against aphids in Rapeseed/Mustard using sticker or during
				clear/dry days.
VEGETABLE				
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches
Summer	Couring/	Flea beetles/	.•.	to avoid exposure to erosion,.
vegetables	Sowing/ vegetative	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	Ũ		*	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.
French Bean	Vegetative/flowe		*	Proper drainage
	ring			
Okra	Vegetative		*	Provide proper drainage
Citrus	URAL CROPS Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree
	8			trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain,
				spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit
			•	water on the tree against Phytophthora. Prepare half moon terraces for fruit crops
			-	(orange/banana/apple/peach) in steep slopes to prevent
				nutrient loss due to rain.
Guava	Flowering		*	Avoid water logging in the basin,
	<b>D</b>		*	Basin cleaning in half moon system is advised,
Banana	Bunching			
	Dunching		*	Denavelling (removal of male bud) & bagging of
Large cardamom				bunches advocated.
Large cardamom	Sowing		*	bunches advocated Sowing in primary nursery bed at 2cm depth & 10cm apart
Large cardamom				bunches advocated Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compost
			*	bunches advocated Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation.
Honey Bees			* *	bunches advocated 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.
			* *	bunches advocated 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. Box must be covered with straw/dry leaves to provide
Honey Bees Honey bees	Sowing		* *	bunches advocated 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 Honey bees LIVESTOCKS	Sowing	Disease	* *	bunches advocated 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. Box must be covered with straw/dry leaves to provide warmth
Honey Bees Honey bees	Sowing	Disease	* *	bunches advocated 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. Box must be covered with straw/dry leaves to provide
Honey Bees Honey bees LIVESTOCKS Livestock	Sowing Sowing		* * *	bunches advocated 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. Box must be covered with straw/dry leaves to provide warmth Precautionary Practices to be followed General
Honey Bees Honey bees LIVESTOCKS Livestock & Damage & Clean d	Sowing Sowing Stage d grain (not fungu	s contaminated)	* * * to be div	bunches advocated 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. Box must be covered with straw/dry leaves to provide warmth
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Honey Bees Honey bees LIVESTOCKS Livestock & Damage & Clean d cleaned,	Sowing Sowing Stage d grain (not fungu	s contaminated)	* * to be div round *	bunches advocated 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. Box must be covered with straw/dry leaves to provide warmth

Poultry	All stages	of mucous membrane of the mouth and foot.) 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 Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Founty	All stages		·	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	* * *	(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Contact Scien	ntists (ICAR) or	C		K staff for measures against adverse conditions or call 26237/226247

# **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22<sup>nd</sup> 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 27 <sup>th</sup> May 2018
Rainfall = NA	Mostly cloudy with possibility of rather heavy to heavy rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 30-32°C and 19-20°C respectively. Expected
	morning and evening relative humidity will be 93-99% and 62-77%
	respectively. Wind direction is mainly variable 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 A				
Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
FIELD CROP	FIELD CROPS					
Rice	Transplantation / leaf elongation	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>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		<ul> <li>On anticipation of rain, provide proper drainage</li> <li>Follow proper runoff management system to avoid</li> </ul>
			<ul> <li>loss of top soil due to heavy rainfall.</li> <li>Keep the surrounding clean/ weedfree to avoid disease/pest harboring</li> </ul>
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul> <li>Green pods can be harvested during sunny days</li> <li>Provide adequate drainage and avoid water stagnation near the base of the plants.</li> </ul>
			<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.</li> </ul>
Toria/ Mustard	Harvesting	Aphids	<ul> <li>Harvest during clear/dry days</li> <li>Provide adequate drainage</li> </ul>
			<ul> <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>
VEGETABLE Cucurbits	<b>S</b> Vegetative		Cover the base of crop with locally available mulches
Cucurons	, egotati , e		to avoid exposure to erosion,.
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.
Pre-summer vegetables	Sowing	Nursery insects	• 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
HORTICULT		<b>D</b> 1 1	
Apple	Fruiting	Fruit drop	** Snray 2.4 5.1 (a) 20nnm or 2.4 5.10 PA (a) 15nnm to
			<ul> <li>Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop</li> </ul>
Citrus	Flowering	Fruit drop/ Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> </ul>
Citrus	Flowering		<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> </ul>
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Citrus	Flowering Fruit maturing		<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> </ul>
		Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> <li>Avoid water logging in the basin,</li> </ul>
Peach	Fruit maturing Flowering	Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> <li>Avoid water logging in the basin,</li> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> </ul>
Peach Guava	Fruit maturing Flowering	Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> <li>Avoid water logging in the basin,</li> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart</li> </ul>
Peach Guava Large cardamom	Fruit maturing Flowering Sowing	Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> <li>Avoid water logging in the basin,</li> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.</li> </ul>
Peach Guava Large cardamom Kiwi	Fruit maturing Flowering Flowering Flowering	Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> <li>Avoid water logging in the basin,</li> <li>Basin cleaning in half moon system is advised,</li> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Applications of well decomposed cattle manure/compost @ 5kg/plant during clear/dry days.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> </ul>
Peach Guava Large cardamom Kiwi	Fruit maturing Flowering Flowering Flowering	Phytophthora	<ul> <li>inhibit fruit drop</li> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.</li> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> <li>Avoid water logging in the basin,</li> <li>Basin cleaning in half moon system is advised,</li> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> <li>Applications of well decomposed cattle manure/compost @ 5kg/plant during clear/dry days.</li> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> <li>Training &amp; pruning of the temperate crops (apple/pears/peach) is recommended</li> </ul>

IVESTOCKS       Stage       Disease         Livestock       Stage       Disease <ul> <li>Damaged grain (not fungus contaminated) to be diver</li> <li>Clean drinking water should be ensured round the cleaned,</li> </ul> Fishery <ul> <li>FMD (high fever and appearance of mucous membrane of the mouth and foot.)</li> <li>Swine Fever</li> </ul> Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.) <ul> <li>Swine Fever</li> <li>C</li> <li>T</li> <li>All stages</li> </ul> Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.) <ul> <li>Swine Fever</li> <li>C</li> </ul> Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.) <ul> <li>Swine Fever</li> <li>C</li> <li>Swine Fever</li> </ul> Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.) <ul> <li>Swine Fever</li> <li>Swine Fever</li> <li>Swine Fever</li> <li>R</li> <li>M</li> <li>M</li></ul>	a clock and water troughs/feeders should be regular avoid water turbidity, use grass turfing or horticultur op at embankment/dyke of the earthen fish pond. badcast mustard Oil Cake (MOC) @5kg/day over the nd twice daily to feed fish fingerlings. bd waste or garbage fed to swine must be cooked and rilized properly. Cooking the different raw materials gether is advocated to improve digestibility and to eak- down toxins from some feeds. oid dampness and cover weak and sick animals with sack th. e bedding is always dry and that there is plenty. imals should be given lukewarm feed and water. ght time to deworm with anti helmetic drugs (particularly
Livestock         Stage         Disease           * Damaged grain (not fungus contaminated) to be divers           * Clean drinking water should be ensured round the cleaned,           Fishery         * 1           Fishery         * 1           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Pigs         All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)         * 4           Y         * 4         * 4         * 4           Y         * 4         * 4         * 4           Y         * 4         * 4         * 4           Y         * 4	neral ed for Poultry/livestock feeding e clock and water troughs/feeders should be regula avoid water turbidity, use grass turfing or horticultur op at embankment/dyke of the earthen fish pond. oadcast mustard Oil Cake (MOC) @5kg/day over the nd twice daily to feed fish fingerlings. od waste or garbage fed to swine must be cooked and rilized properly. Cooking the different raw materials gether is advocated to improve digestibility and to eak- down toxins from some feeds. oid dampness and cover weak and sick animals with sack th. e bedding is always dry and that there is plenty. imals should be given lukewarm feed and water. ght time to deworm with anti helmetic drugs (particularly
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* Damaged grain (not fungus contaminated) to be divers         * Clean drinking water should be ensured round to cleaned,         Fishery       * 1         Fishery       * 1         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 1         Swine Fever       * 4       * 4         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Cattle       All stages       FMD       * 4         With the transmission of the mouth and foot.)       * 4       * 4         With the transmission of the mouth and foot.)       * 4       * 4         With the transmission of the mouth and foot.)       * 4       * 4         With the transmission of the mouth and foot.)       * 4       * 4         With the tra	ed for Poultry/livestock feeding clock and water troughs/feeders should be regular avoid water turbidity, use grass turfing or horticultur op at embankment/dyke of the earthen fish pond. Dadcast mustard Oil Cake (MOC) @5kg/day over the nd twice daily to feed fish fingerlings. Dod waste or garbage fed to swine must be cooked and rilized properly. Cooking the different raw materials gether is advocated to improve digestibility and to eak- down toxins from some feeds. Oid dampness and cover weak and sick animals with sack th. e bedding is always dry and that there is plenty. imals should be given lukewarm feed and water. ght time to deworm with anti helmetic drugs (particularly
* Clean drinking water should be ensured round the cleaned,       * 1         Fishery       * 1         Fishery       * 1         Pigs       All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Swine Fever       * 4         Pigs       All stages         FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Swine Fever       * 5         Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)         Swine Fever       * 4       * 4         Cattle       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Swine Fever       * 7       * 4         Figs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       * 4         Swine Fever       * 7       * 4         Swine Fever       * 7       * 7         Cattle       All stages       FMD       * 4         Swine Fever       * 8       * 10	a clock and water troughs/feeders should be regular avoid water turbidity, use grass turfing or horticultur op at embankment/dyke of the earthen fish pond. badcast mustard Oil Cake (MOC) @5kg/day over the nd twice daily to feed fish fingerlings. bd waste or garbage fed to swine must be cooked and rilized properly. Cooking the different raw materials gether is advocated to improve digestibility and to eak- down toxins from some feeds. oid dampness and cover weak and sick animals with sack th. e bedding is always dry and that there is plenty. imals should be given lukewarm feed and water. ght time to deworm with anti helmetic drugs (particularly
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Pigs       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       *       A         Variable       All stages       FMD (high fever and appearance of mucous membrane of the mouth and foot.)       *       A         Cattle       All stages       FMD       *       A         Cattle       All stages       FMD       *       A         K       K       K       K       K         K       K       K       K       K         K       K       K       K       K         K       K       K       K       K         K       K       K       K       K       K         K	
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of mucous         membrane of the         mouth and foot.)         Swine Fever         Cattle         All stages         FMD         & R         (1)         (1)         (1)         (1)         (2)         (1)         (2)         (2)         (3)         (4)         (5)         (6)         (7)         (8)         (9)         (10)         (11)         (12)         (12)         (13)         (14)         (15)         (15)         (16)         (17)         (18)         (19)         (10)         (11)         (12)         (13)         (14)         (15)         (16)         (17)         (18)         (18)         (18)         (18)         (19)         (10)         (10)         (11)	oid dampness and cover weak and sick animals with
membrane of the mouth and foot.)         Swine Fever         Cattle         All stages         FMD         K         (1)         K     <	k cloth.
Cattle All stages FMD $\diamond$ R $\bullet$ R	e bedding is always dry and that there is plenty.
Cattle       All stages       FMD       All         Image: Swine Fever       Image: Swine Fever       Image: Swine Fever       Image: Swine Fever         Image: Cattle       All stages       FMD       All         Image: Cattle       All stages       FMD       Image: Swine Fever	oossible wooden sleeping box should be provided.
Cattle All stages FMD $\diamond$ R (1) Cattle All stages FMD $\diamond$ A Cattle $\diamond$ R Cattle All Stages All Sta	imals should be given lukewarm feed and water.
Cattle All stages FMD $\diamond$ A $\diamond$ R () k $\diamond$ P	t time to deworm with anti helmetic drugs (particularly
	peworms) viz. Fento Plus @ 1 tablet per 30 kg body weigh
() k ♦ P	imals should be given lukewarm feed and water.
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	wide proper bedding materials especially to new-born an
	ewarm food & water
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	vide feed supplements
	yvalent FMD vaccine with serotype O, A and Asia at
	yvalent FMD vaccine with serotype O, A and Asia at nths of age and repeat after that 6 months interval by sul
	yvalent FMD vaccine with serotype O, A and Asia at nths of age and repeat after that 6 months interval by sul aneous route.
Contact Scientists (ICAR) or State Agril Staff or KVK	yvalent FMD vaccine with serotype O, A and Asia at nths of age and repeat after that 6 months interval by sul

# **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22nd 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 27 <sup>th</sup> May 2018
Rainfall: 43.9 mm; T. Max: 34.0°C; T. Min:	Mostly cloudy with possibility of moderate to rather heavy rain.
18.0°C ; RH: 64-88% (up to 17 <sup>th</sup> April)	Daily maximum and minimum temperature for the following period
	is predicted to be 31-35°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 92-99% and 63-96%
	respectively. Expected wind direction mainly variable with speed
	range of 2-3 kmph.
Warning:	•

### 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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Leaf Elongation/ Tillering	Stem borer	<ul> <li>Rice: Weed free &amp; clean nursery periphery to prevent disease/pest harboring.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.</li> </ul>
Maize	Pod formation	Soybean looper	<ul> <li>Provide proper drainage</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit</li> <li>Monitor the crop against attack of insect pests,</li> </ul>

Jhum rice	Rooting/ Leaf elongation		•	Provide proper drainage and soil conservation measures like mulching with locally available materials.
			•	Keep the periphery clean
			•	Avoid application of fertilizer and insecticides/pesticides
			VE	GETABLES
Cucurbits	Vegetative		*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
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
French Bean	vegetative		.•.	diseases in summer vegetables.
Fieldin Deali	vegetative		* *	Proper drainage 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.
a'		T	JRTIC	ULTURAL CROPS
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit
			•	water on the tree against Phytophthora.Preparehalfmoonterracesforfruitcrops
			·	(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
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
				bunches advocated
Large Cardamom	Vegetative		*	Provide proper drainage to avoid water stagnation in the base of the plant.
			H	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
<ul> <li>Clean d cleaned,</li> </ul>	d grain (not fung		round	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.
			*	Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.
Pigs	All stages	FMD (high fever	*	Food waste or garbage fed to swine must be cooked and
8-		and appearance of mucous		sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to
		membrane of the		break- down toxins from some feeds.
		mouth and foot.) Swine Fever	*	Avoid dampness and cover weak and sick animals with sack
		Swine rever		cloth.
			*	The bedding is always dry and that there is plenty.
		1	*	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			6 6 1 5
Poultry	All stages		*	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.
Poultry	All stages		*	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. <b>Provide shelter to the backyard/scavenging poultry. Feed</b> <b>grains in the morning/evening to supplement scavenging.</b> Day old chick-Maintain warmth by lighting,
Poultry	All stages		*	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. <b>Provide shelter to the backyard/scavenging poultry. Feed</b> <b>grains in the morning/evening to supplement scavenging.</b> Day old chick-Maintain warmth by lighting, <b>Inclusion of turmeric powder</b> @ <b>10g/kg feed for</b>
Poultry Goat	All stages All stages		* * *	Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. <b>Provide shelter to the backyard/scavenging poultry. Feed</b> <b>grains in the morning/evening to supplement scavenging.</b> Day old chick-Maintain warmth by lighting,

<b>C</b> +1	A 11 .			
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	tists (ICAR) or	<b>State Agril Staff</b>	f or KV	K staff for measures against adverse conditions or call
		at 0.	3795-22	6237/226247

# **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22<sup>nd</sup> 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 27 <sup>th</sup> May 2018
Rainfall = $7.6 \text{ mm}$ (up to $17^{\text{th}}$ April)	Mostly cloudy with possibility of light to rather heavy rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 17-19°C and 6.0-7.0°C respectively. Expected
	morning and evening relative humidity will be 81-89% and 57-72%
	respectively. Wind direction is mainly NW & NNW with probable
	speed range of 2-5 kmph.
Warning:	•

#### 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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROI</b>	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	Vegetative		Monitor against insect pest attack

Rice	Transplantation / leaf elongation	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. 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 correspondence of the infectation to the main field
Jhum field	Sowing		•	<ul> <li>will reduce the carryover of the infestation to the main field.</li> <li>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.</li> <li>Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.</li> <li>Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing</li> </ul>
		 	•	
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			
Apple	Fruiting	Fruit drop	*	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop
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.
Temperate fruits	After harvesting		*	Training & pruning of the temperate crops (apple/pears/peach) is recommended In case of flowering, stop spraying insecticides/pesticides
Banana	Bunching	Cold	* *	
LIVESTOCKS	5			
Livestock	Stage	Disease		Precautionary Practices to be followed
General ↔ Damageo	l grain (not fungus	contaminated) to b		ed for Poultry/livestock feeding k and water troughs/feeders should be regularly cleaned,
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* * * *	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.
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.
Yak	All stages			Feeding of concentrate feed along with mineral mixture and salt.
Cattle	All stages	FMD		Hay feeding is recommended. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs

		(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water
	*	Provide feed supplements
		K staff for measures against adverse conditions or call
at	03795-22	26237/226247

# **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22nd 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 27 <sup>th</sup> May 2018
Rainfall = $11.4 \text{ mm}$ (up to $17^{\text{th}}$ April)	Mostly cloudy with possibility of moderate to rather heavy rain.
	Daily maximum and minimum temperature for the following period
	is predicted to be 31-35°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 92-99% and 63-96%
	respectively. Wind direction is mainly E 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

		<b>DETAILS OF A</b>	DVISORIES FOR THE PERIOD
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CRO	PS		
Rice	Leaf Elongation/ Tillering	Stem borer	<ul> <li>Rice: Weed free &amp; clean nursery periphery to prevent disease/pest harboring.</li> <li>Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.</li> </ul>
Maize	Pod formation	Soybean looper	<ul> <li>Provide proper drainage</li> <li>Spray Azadirachtin 0.15% EC 2@ 6ml/lit</li> <li>Monitor the crop against attack of insect pests,</li> </ul>
Jhum rice	Rooting/ Leaf elongation		• Provide proper drainage and soil conservation measures like mulching with locally available materials.

	Ι	· · ·		
			•	Keep the periphery clean
			•	Avoid application of fertilizer and insecticides/pesticides
VEGETABLE				
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
Cucurbits	Vegetative			diseases in summer vegetables.
Cucurons	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
Cucurbits	vegetative		*	Avoid water stagnation near the base of the plant through
	0.00			proper drainage
Ginger/ Turmeric	Sowing/		*	Mulching ginger beds with locally available
C	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.
	URAL CROPS	1		
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree
			_	trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit
				water on the tree against Phytophthora.
			•	Prepare half moon terraces for fruit crops
				(orange/banana/apple/peach) in steep slopes to prevent
				nutrient loss due to rain.
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
Danalla	U		***	
			*	bunches advocated.
Honey Bees				bunches advocated
				bunches advocated Box must be covered with straw/dry leaves to provide
Honey Bees				bunches advocated
Honey Bees	5	Discosso		bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock	S S Stage	Disease		bunches advocated Box must be covered with straw/dry leaves to provide
Honey Bees LIVESTOCKS Livestock General	S Stage		*	bunches advocated Box must be covered with straw/dry leaves to provide warmth Precautionary Practices to be followed
Honey Bees LIVESTOCKS Livestock General Solution Clean d	S S S S S S S S S S S S S S S S S S S	us contaminated) t	•     o be di	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured	↔ o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever	↔ o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured	↔ o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the	↔ o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth * Precautionary Practices to be followed verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly 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.
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the	o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be dir round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be di round *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be di round *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be di round *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General S Damage Clean d cleaned, Pigs	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	× o be di round × × ×	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General Solution Clean d cleaned,	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	× o be di round × × ×	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General S Damage Clean d cleaned, Pigs	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	× o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General S Damage Clean d cleaned, Pigs	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	× o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees	S Stage d grain (not fung irinking water si All stages	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	× o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees LIVESTOCKS Livestock General S Damage Clean d cleaned, Pigs	S S S S S S S S S S S S S S S S S S S	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	× o be di round	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees	S Stage d grain (not fung irinking water si All stages	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be di round * * * * *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees	S Stage d grain (not fung irinking water si All stages	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be dir round * * * * * *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees  LIVESTOCKS  Livestock  General  Clean d  cleaned,  Figs  Fishery  Poultry	S Stage d grain (not fung rinking water sl All stages All stages All stages	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	o be dir round * * * * * *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees	S Stage d grain (not fung lrinking water sl All stages All stages	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* o be di round * * * * * *	bunches advocated Box must be covered with straw/dry leaves to provide warmth
Honey Bees	S Stage d grain (not fung rinking water sl All stages All stages All stages	us contaminated) t hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	o be directed in the second	bunches advocated Box must be covered with straw/dry leaves to provide warmth

			*	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

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

## **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22nd 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 27 <sup>th</sup> May 2018
Rainfall = $33.4 \text{ mm}$ (up to $17^{\text{th}}$ April)	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 27-29°C and 15-16°C
	respectively. Expected morning and evening relative humidity will
	be 90-97% and 68-78% respectively. Wind direction is mainly ESE
	& E with speed range of 2-5 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
<b>FIELD CROP</b>	S		
Rice	Transplantation / leaf elongation	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>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.</li> </ul>
Jhum rice	Leaf elongation		On anticipation of rain, provide proper drainage

Livestock	Stage	Disease	<ul> <li>Precautionary Practices to be followed</li> <li>General</li> </ul>
LIVESTOCK		D	
Banana	Bunching	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>
Kiwi	Flowering		<ul> <li>Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm.</li> </ul>
Large cardamom			<ul> <li>Sowing in primary nursery bed at 2cm depth &amp; 10cm apart with mulching &amp; regular irrigation.</li> </ul>
Peach	Fruit maturing	Fruit Fly	<ul> <li>Install fruit fly pheromone traps,</li> <li>Collect and dispose off the fallen fruits.</li> <li>Clean basin,</li> </ul>
Peach	Equit maturing	Emit Fly	<ul> <li>and drenching with metalaxyl MZ-72 @ 2.75 g/lit water or the tree against Phytophthora.</li> <li>Prepare half moon terraces for fruit crops (orange/banana/apple/peach) in steep slopes to preven nutrient loss due to rain.</li> <li>Anstall fruit fly phoromone traps</li> </ul>
Citrus	Flowering	Fruit drop/ Phytophthora	<ul> <li>Foliar application of micronutrient/multiplex @ 0.2% should be done to prevent flower drop</li> <li>During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.</li> <li>During clear dry days or using stickers during rain, spraying</li> </ul>
HORTICULT Apple	<b>URAL CROPS</b> Fruiting	Fruit drop	<ul> <li>Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop</li> </ul>
HODELCIUM			matter to the soil & conserve moisture during dry seasons.
Ginger/ Turmeric	e Sowing/ germination		Mulching ginger beds with locally available leaves/materials is advocated to enhance germination prevent washing off during heavy rainfall, add organic
			<ul> <li>to avoid exposure to erosion,.</li> <li>Avoid water stagnation near the base of the plant through proper drainage</li> </ul>
VEGETABLE Cucurbits	Vegetative		<ul> <li>Cover the base of crop with locally available mulches</li> </ul>
			duration, dwarf and high yielding.
			<ul> <li>Carbendazim @ 2g/kg seed before sowing.</li> <li>Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are shore.</li> </ul>
			<ul> <li>and conserve moisture and fertility.</li> <li>Carry out seed dressing/treatment with Thiram or</li> </ul>
Jhum field	Sowing		<ul> <li>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</li> </ul>
			against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
Torra/ Wustaru	Harvesting	Aphids	<ul> <li>Harvest during clear/dry days</li> <li>Provide adequate drainage</li> <li>If the infestation is high, Spray Dimethoate 30EC @2ml/litre</li> </ul>
Toria/ Mustard	Herending	Aultile	<ul> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazin 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.</li> <li>Harvest during clear/dry days</li> </ul>
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul> <li>Green pods can he harvested during sunny days</li> <li>Provide adequate drainage and avoid water stagnation near the base of the plants.</li> </ul>
			Keep the surrounding clean/ weedfree to avoid disease/pest harboring
			loss of top soil due to heavy rainfall.

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

Fishery				To avoid water turbidity, use grass turfing or horticultura crop at embankment/dyke of the earthen fish pond. Broadcast mustard Oil Cake (MOC) @5kg/day over th pond twice daily to feed fish fingerlings.
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 weigh
Poultry	All stages			Provide shelter to the backyard/scavenging poultry. Fee grains in the morning/evening to supplement scavenging. Inclusion of turmeric powder @ 10g/kg feed fo prevention of cocciodiosis.
Cattle	All stages	FMD	* *	Animals should be given lukewarm feed and water. <b>Right time to deworm with anti helmetic drugs</b> (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 3 kg body weight. Provide proper bedding materials especially to new-born an lukewarm food & water Provide feed supplements
Mithun		FMD	*	

> Agrometeorological Field Unit ICAR. BASAR

## **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22<sup>nd</sup> May, 2018

ग्रामीण कृषि मौसम सेवा

## GRAMIN KRISHI MAUSAM SEWA

#### (Integrated Agro-Meteorological Advisory Services)

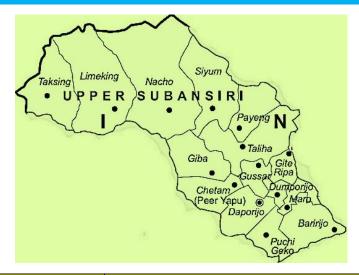






## AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

## Advisory for district: Upper Subansiri



Weather summery of the previous week	Weather forecast valid up to 27 <sup>th</sup> May 2018
Daporijo: 2.4 mm (up to 17 <sup>th</sup> April)	Mostly cloudy with possibility of rather heavy to heavy rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 30-32°C and 19-20°C respectively. Expected
	morning and evening relative humidity will be 93-99% and 62-77%
	respectively. Expected wind direction is mainly variable 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**

	DETAILS OF ADVISORIES FOR THE PERIOD				
Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
	FIELD CROPS				
Pea	Maturity	Powdery mildew/ leaf eating insects	<ul> <li>Green pods can be harvested during sunny days</li> <li>Provide adequate drainage and avoid water stagnation near the base of the plants.</li> <li>Need based foliar spray of Dinocap (0.2%) or Carbendazim 50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.</li> </ul>		
Toria/ Mustard	Harvesting	Aphids	Harvest during clear/dry days		

			*	Provide adequate drainage
			*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre against aphids in Rapeseed/Mustard using sticker or during clear/dry days.
Rice	Transplantation / leaf	Stem borer	•	On anticipation of rain, provide proper drainage to the nursery/main field to avoid runoff
	elongation		•	Rice: Weed free & clean nursery periphery to prevent
			•	<b>disease/pest harboring.</b> 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.
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
Jhum field	Sowing/ vegetative		•	Adopt sowing of leguminous crops like cowpea, frenchbean,
	vegetative			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.
			VEGET	ABLES
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
C	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.
				URAL CROPS
Apple	Fruiting	Fruit drop		Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tree trunk upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain, spraying and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.
			•	Prepare half moon terraces for fruit crops
				(orange/banana/apple/peach) in steep slopes to prevent nutrient loss due to rain.
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
Temperate fruits	After harvesting		× '	protect flowers from heavy rain and hail storm. Training & pruning of the temperate crops (apple/pears/peach)
remperate muns	After harvesting			is recommended
1				y Bees
Honey bees				Provide sugar syrup near the box Add insulation and ventilation systems
				TOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
	0		Ger	neral
	_			d for Poultry/livestock feeding
	_	e ensured round FMD (high feve		k and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and
Pigs	All stages	ingii ieve	ц 😯	r oou waste or garbage teu to swine must be cooked and

		and appearance of mucous membrane of the mouth and foot.) Swine Fever	* * *	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.		
Poultry	All stages		*	Provide shelter to the backyard/scavenging poultry. Feed		
			•	grains in the morning/evening to supplement scavenging.		
			*	menosion of commente powers of 108,08 fore for		
01	A 11 - 4		•	prevention of cocciodiosis.		
Cattle	All stages	FMD		Animals should be given lukewarm feed and water.		
			*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30		
				kg body weight.		
			*	Provide proper bedding materials especially to new-born and		
			•	lukewarm food & water		
			*	Provide feed supplements		
Mithun		FMD	*			
				months of age and repeat after that 6 months interval by sub-		
			-	cutaneous route.		
			*	Pregnant animals above 7 months of pregnancy should be avoided.		
Contact Scion	tists (ICAR) or	State Agril Staff or	·KV			
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: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

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ग्रामीण कृषि मौसम सेवा

## GRAMIN KRISHI MAUSAM SEWA

#### (Integrated Agro-Meteorological Advisory Services)







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

### **Advisory for district: West Kameng**



Weather summery of the previous week	Weather forecast valid up to 27 <sup>th</sup> May 2018
Rainfall = Bomdila: 0.0 ; Bhalukpong: 28.4	Mostly cloudy with possibility moderate to rather heavy rainfall.
mm (up to 17 <sup>th</sup> April)	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 95-98% and 63-84%
	respectively. Wind direction is mainly SW & WSW with speed
	range of 2-3 kmph.
Warning:	Heavy rainfall likely

### 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			
<b>FIELD CROP</b>	FIELD CROPS					
Rice	Transplantation / leaf elongation	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>Cut the tips of the leaves before transplanting reduces the</li> </ul>			

				population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Jhum rice	Leaf elongation		٠	On anticipation of rain, provide proper drainage
			•	Follow proper runoff management system to avoid
				loss of top soil due to heavy rainfall.
			٠	Keep the surrounding clean/ weedfree to avoid
				disease/pest harboring
Pea	Maturity	Powdery	*	Green pods can he harvested during sunny days
		mildew/ leaf eating insects	**	Provide adequate drainage and avoid water stagnation near the base of the plants.
			*	Need based foliar spray of Dinocap $(0.2\%)$ or Carbendazin 50WP $(0.1\%)$ or Propiconazole $(0.1\%)$ using sticker if the
				infestation is high.
Toria/ Mustard	Harvesting	Aphids	*	Harvest during clear/dry days
			*	Provide adequate drainage
			*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre
				against aphids in Rapeseed/Mustard using sticker or during
				clear/dry days.
VEGETABLE	1			
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/		*	Mulching ginger beds with locally available
8	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.
Apple	URAL CROPS Fruiting	Fruit drop	*	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to
		-	•••	inhibit fruit drop
Citrus	Flowering	Fruit drop/	•	Foliar application of micronutrient/multiplex @ 0.2%
		Phytophthora	•	should be done to prevent flower drop During clear dry days, apply Bordeaux paste on the tree trunk
			•	upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain, spraying
				and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on the tree against Phytophthora.
			٠	Prepare half moon terraces for fruit crops
				(orange/banana/apple/peach) in steep slopes to prevent
Decel	Emit maturina	Email Elas	.•.	nutrient loss due to rain.
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
	110		•	protect flowers from heavy rain and hail storm.
Banana	Bunching	Cold	*	Cover newly emerged bunches with locally available sack to
				protect from cold/frost
LIVESTOCKS	S			
Livestock	Stage	Disease		Precautionary Practices to be followed
		<u> </u>	*	General
<ul><li>Clean d</li></ul>	rinking water sl		o be div	verted for Poultry/livestock feeding the clock and water troughs/feeders should be regular
cleaned, Pigs	All stages	FMD (high fever	*	Food waste or garbage fed to swine must be cooked and
1 120	1 III Stages	and appearance	* <b>•</b> *	sterilized properly. Cooking the different raw materials
		<b>TT</b>		source property. Source in unrecent raw materials

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.
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es FMD	<ul> <li>Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weig</li> <li>To avoid water turbidity, use grass turfing or horticultu crop at embankment/dyke of the earthen fish pond.</li> <li>Feeding of concentrate feed along with mineral mixtu and salt.</li> <li>Hay feeding is recommended.</li> <li>Provide shelter to the backyard/scavenging poultry. Fee grains in the morning/evening to supplement scavenging</li> <li>Day old chick-Maintain warmth by lighting,</li> <li>In present weather conditions protect the birds from cold using gunny bags/plastic sheets around the poultry shed durinight,</li> <li>Provide heat by lighting 100W bulb @ 1 bulb per 20 new born chicks.</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 kg body weight.</li> <li>Provide proper bedding materials especially to new-born a lukewarm food &amp; water</li> <li>Heavy mortality in cloven footed animals has been reported.</li> </ul>
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	• •
	<ul> <li>Supportive treatment of infected animals under supervision veterinary department officials,</li> </ul>
	<ul> <li>Avoid mixing of infected and healthy animals,</li> </ul>
	<ul> <li>Keep infected animals separated from the healthy ones,</li> </ul>
	<ul> <li>Vaccinate the healthy animals against FMD (Through St Veterinary Dept.)</li> </ul>
	<ul> <li>Provide feed supplements</li> </ul>
FMD	<ul> <li>Polyvalent FMD vaccine with serotype O, A and Asia a months of age and repeat after that 6 months interval by successful and the serotype of the</li></ul>
	cutaneous route.
	<ul> <li>Pregnant animals above 7 months of pregnancy should avoided.</li> </ul>
	FMD

> Agrometeorological Field Unit ICAR, BASAR

## **Agro-met Advisory Bulletin**

(Period: 23rd to 25th May, 2018)

No: AMFU-Basar/2018/41

Dated: Tue, 22nd 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 27 <sup>th</sup> May 2018
<b>Basar:</b> Rainfall =0.0 mm. T. Max: 30.8°C,	Mostly cloudy with possibility of rather heavy rainfall. Daily
T. Min: 16.5°C, RH: 59-93%, Wind Speed:	maximum and minimum temperature for the following period is
3-6 kmph, Wind Direction: WSW & NNW	predicted to be 31-34°C and 20-21°C respectively. Expected
	morning and evening relative humidity will be 86-95% and 61-77%
	respectively. Wind direction is mainly E & ESE with speed range of
	2-5 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
<b>FIELD CROP</b>	PS		
Jhum rice	Rooting/ Leaf		✤ Provide proper drainage and soil conservation measures
	elongation		like mulching with locally available materials.
			<ul> <li>Keep the periphery clean</li> </ul>
			* Avoid application of fertilizer and insecticides/pesticides

Rice	Leaf	Stem borer	*	Rice: Weed free & clean nursery periphery to prevent
Mee	Elongation/		**	disease/pest harboring.
	Tillering		*	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
Pea	Maturity	Powdery	*	Green pods can he harvested during sunny days
	5	mildew/ leaf eating insects	*	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.
Maize	Pod formation	Soybean looper	*	Provide proper drainage
			*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
Toria/ Mustard	Harvesting	Aphids	*	Monitor the crop against attack of insect pests, Harvest during clear/dry days
Torra/ Wrustaru	That vesting	Apilias		Provide adequate drainage
			*	If the infestation is high, Spray Dimethoate 30EC @2ml/litre
				against aphids in Rapeseed/Mustard using sticker or during
				clear/dry days.
VEGETABLE				
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/		*	Mulching ginger beds with locally available
6	germination			leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
French Bean	Vegetative			matter to the soil & conserve moisture during dry seasons.
French Bean	vegetative		*	Avoid water stagnation in field by making proper drainage.
HORTICULT	URAL CROPS			
		Fruit drop	*	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to
				inhibit fruit drop
Citrus	Flowering	Fruit drop/	•	Foliar application of micronutrient/multiplex @ 0.2%
		Phytophthora	•	should be done to prevent flower drop During clear dry days, apply Bordeaux paste on the tree trunk
			•	upto the height of 24 inches by brush.
			•	During clear dry days or using stickers during rain, spraying
				and drenching with metalaxyl MZ-72 @ 2.75 g/lit water on
			•	the tree against Phytophthora. Prepare half moon terraces for fruit crops
			•	(orange/banana/apple/peach) in steep slopes to prevent
				nutrient loss due to rain.
Peach	Fruit maturing	Fruit Fly		Install fruit fly pheromone traps,
				Collect and dispose off the fallen fruits. Clean basin,
Guava	Flowering		*	Avoid water logging in the basin,
Guuru	11000011115		*	Basin cleaning in half moon system is advised,
Banana	Bunching		*	Denavelling (removal of male bud) & bagging of
				bunches advocated.
Kiwi	Flowering		*	Kiwi fruit vine should be covered with 50% shade net to
				protect flowers from heavy rain and hail storm.
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irritation
			*	with mulching & regular irrigation. Applications of well decomposed cattle manure/compost
			•	@5kg/plant during clear/dry days.
HONEY BEES				
Honey bees			*	Cover the boxes with locally available dry grass or straw to
LIVESTOCKS				provide warmt
Livestock	Stage	Disease		Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	*	Food waste or garbage fed to swine must be cooked and
	544605	and appearance of mucous	•	sterilized properly. Cooking the different raw materials

	mouth	rane of the and foot.) ne Fever	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 horticultura 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.
Cattle	All stages F	*	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 feed supplements
Mithun	F	FMD 🔶	Polyvalent FMD vaccine with serotype O, A and Asia at months of age and repeat after that 6 months interval by sub cutaneous route. Pregnant animals above 7 months of pregnancy should b avoided.