Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

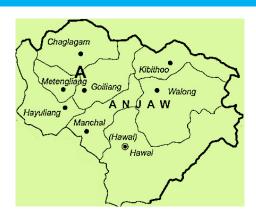






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

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 10 th June 2018
No weather summary available	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 18-19°C respectively. Expected
	morning and evening relative humidity will be 92-97% and 41-49%
	respectively. Wind direction is mainly NE & SE with average wind
	speed range of 5-6 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROPS			
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 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.

D:	Tr. 1	G. 1	
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
			 Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pea	Maturity	Powdery	 ❖ Green pods can he harvested during sunny days
Tou	Maturity	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.
Toria/ Mustard	Harvesting	Aphids	❖ Harvest during clear/dry days
	8	1	• 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		T C .: 1	A 76 11 6 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Vegetables	Vegetative	Leaf eating insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
HORTICULT	URAL CROPS		 Provide adequate drainage
Peach	Fruit maturing	Fruit Fly	❖ Install fruit fly pheromone traps,
			 Collect and dispose off the fallen fruits.
			❖ Clean basin,
Apple	Fruiting	Fruit drop / wooly aphids	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop
			 Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating	❖ Kiwi fruit vine should be covered with 50% shade net to
		beetle	protect flowers from heavy rain and hail storm.
			 Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
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.
Ginger/ Turmeric	Germination/ Vegetative		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.
Banana	Bunching	Cold	 Proper drainage to avoid water stagnation Cover newly emerged bunches with locally available sack to protect from cold/frost
Large cardamom	Sowing		 Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
LIVESTOCKS	S		
Livestock	Stage	Disease	 Precautionary Practices to be followed
Livestock	•		
Pigs	All stages	FMD (high fever	❖ Food waste or garbage fed to swine must be cooked and
	All stages	FMD (high fever and appearance of mucous	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials

		Swine Fever	 break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. 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. Avoid rearing day old chicks
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.
Cattle	All stages		 Deworming using antihelmintic drugs like Oxyclozanide/ Pyrantel. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Mithun		FMD	Polyvalent FMD vaccine with serotype 0, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided from vaccination.
Contact So	cientists (ICAR) or Sta		staff for measures against adverse conditions or call at 03795- 237/226247

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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: Changlang



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

Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = Changlang: NA Miao: 3.6 mm	Mostly/partly cloudy with possibility of moderate rain. Daily
	maximum and minimum temperature for the following period is
	predicted to be 32-33°C and 23-25°C respectively. Expected
	morning and evening relative humidity will be 70-91% and 36-40%
	respectively. Wind direction is mainly ESE with speed range of 3-6
	kmph.
Warning	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

	DETAILS OF ADVISORIES FOR THE FERIOD			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
FIELD CROI	PS			
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. Provide proper drainage and soil conservation measures like mulching with locally available materials. Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides 	

			•	Manual weeding may be done during dry days
Rice (Early	Leaf	Stem borer	•	Rice: Weed free & clean nursery periphery to prevent
sown)	Elongation/			disease/pest harboring.
	Tillering			Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
WRC-RICE	Nursery			Sowing of quality seeds in prepared nursery,
(Normal sown)				Before sowing, treat seeds with solution of Carbandazim
76:	D 16			50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Pod formation	Soybean looper		Provide proper drainage
				Spray Azadirachtin 0.15% EC 2@ 6ml/lit against Soybean looper during clear dry days.
				Monitor the crop against attack of insect pests,
VEGETABLE	S			, , , , , , , , , , , , , , , , , , ,
Vegetables	Vegetative	Leaf eating		Monitor for possible insect/pest attack
		insects		During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating
				insects.
			*	Provide adequate drainage
Cucurbits	Flowering/	Leaf eating		Monitor for possible attack of insect/pests
	Fruiting	insects		During clear dry days or using stickers, foliar spray of
				Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
				Cover the base of crop with locally available mulches
				to avoid exposure to erosion,.
HORTICULT		Coowy bootles	*	Annly Molecthian dwat 5D incide the wheat of the plant
Banana	All stages	Scary beetles		Apply Malathion dust 5D inside the whorl of the plant, Planting of new saplings may be done in present weather
Ginger/ Turmeric	Germination/			Mulching ginger beds with locally available
8	Vegetative			leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
				Proper drainage to avoid water stagnation Manual weeding during clear/dry days
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,
	fruiting			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.
HONEY BEES		T T		
Honey bees				Box must be covered with straw/dry leaves to provide
				warmth Provide sugar syrup
LIVESTOCKS			<u> </u>	110vide sugai syrup
Livestock	Stage	Disease		 Precautionary Practices to be followed
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.
~:		THE COLUMN	_	
Pigs	All stages	FMD (high fever		Food waste or garbage fed to swine must be cooked and
Pigs	All stages	FMD (high fever and appearance of mucous		sterilized properly. Cooking the different raw materials
Pigs	All stages	and appearance of mucous membrane of the		sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to
Pigs	All stages	and appearance of mucous		sterilized properly. Cooking the different raw materials

			*	The bedding is always dry and that there is plenty.
			*	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.
Goat	All stages		*	Deworming for gastrointestinal parasite
Cattle	All stages	FMD		Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and
			*	lukewarm food & water
Contact Scien	tists (ICAR) or	State Agril Staff		Provide feed supplements K staff for measures against adverse conditions or call

at 03795-226237/226247

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(Integrated Agro-Meteorological Advisory Services)







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

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 10 th June 2018
Rainfall = NA (Anini)	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 25-26°C and 17-18°C respectively. Expected morning
	and evening relative humidity will be 94-98% and 45-53%
	respectively. Wind direction is mainly S with speed range of 4-5
	kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS On anticipation of heavy rainfull:

- Suspend all spray operations
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROP	S		
WRC-RICE	Nursery		 Sowing of quality seeds in prepared nursery,
(Mipun)			❖ Before sowing, treat seeds with solution of Carbandazim
			50WP @ 1 grams in one litre of water per kilogram of seeds.
Rice (Early	Leaf elongation	Stem borer	On anticipation of rain, provide proper drainage to the
sown)			nursery/main field to avoid runoff
			• Rice: Weed free & clean nursery periphery to prevent
			disease/pest harboring.

Jhum rice Pea	Leaf elongation Maturity	Leaf blast/ leaf spot/ Yellow stem borer Powdery	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 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. 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 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 Vegetables	Vegetative	Leaf eating insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
HORTICULT	URAL CROPS		
Apple	Fruiting	Fruit drop / wooly aphids	 Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	 Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
Ginger/ Turmeric	Germination/ Vegetative		 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. Proper drainage to avoid water stagnation
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.
Peach	Fruit maturing	Fruit Fly	 Install fruit fly pheromone traps, 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.
Honey Bees			
Honey bees			 Cover the boxes with locally available dry grass or straw to provide warmth Provide sugar syrup in a bowl in front of the box in case of

Livestock	Stage	Disease		Precautionary Practices to be followed	
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 and appearance of mucous membrane of the mouth and foot.)	*	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break-down toxins from some feeds.	
		Swine Fever	*	Avoid dampness and cover weak and sick animals with sack cloth.	
			*	The bedding is always dry and that there is plenty.	
			*	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.	
Cattle	All stages	FMD	* * *	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals,	
Mithun		FMD	*	months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.	
Contact Scienti	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247				

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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 10 th June 2018
Rainfall = 8.2 mm	Partly/mostly cloudy with possibility moderate rain. Daily maximum and minimum temperature for the following period is predicted to be 20-30°C and 21-22°C respectively. Expected morning and evening relative humidity will be 83-89% and 41-51% respectively. Expected wind direction is mainly SE & SSE with
	speed range of 3-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- On anticipation of rain, avoid application of fertilizer/manure
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop Stage Pest/Disease Precautionary Practices to be followed FIELD CROPS Jhum rice Rooting/ Leaf elongation spot proper drainage and soil conservation measures like mulching with locally available materials. • Keep the periphery clean

Avoid application of fertilizer and insecticides/pesticides

			•	Manual weeding may be done during dry days
Maize	Pod formation	Soybean looper	*	Provide proper drainage
			*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
			*	Monitor the crop against attack of insect pests,
Rice	Transplantatio	Stem borer	•	Rice: Weed free & clean nursery periphery to prevent
	n/ leaf			disease/pest harboring.
	elongation		•	Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
				rice nursery as well as in main field.
			•	Cut the tips of the leaves before transplanting reduces the
				population of stem borer as the eggs are laid on that site. It
				will reduce the carryover of the infestation to the main field.
**				EGETABLES
Vegetables	Vegetative	Leaf eating		Monitor for possible insect/pest attack
		insects	*	During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating
				insects.
			*	Provide adequate drainage
Cucurbits	Flowering/	Leaf eating		Monitor for possible attack of insect/pests
	Fruiting	insects	*	During clear dry days or using stickers, foliar spray of
				Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating
			.•.	insects.
			*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICILLT	URAL CROPS			to avoid exposure to crosion,.
Ginger/ Turmeric			*	Mulching ginger beds with locally available
	Vegetative		·	leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
			•	Proper drainage to avoid water stagnation
Citrus	Flowering	Bark eating	•	Prepare half moon terraces for fruit crops
		caterpillar		(orange/banana/apple/peach) in steep slopes to prevent
		G 11		nutrient loss due to rain.
	Bunching	Cold	* **	Cover newly emerged bunches with locally available sack to
Banana	Dunching	Colu	•	
B anana	Dunching	Colu	*	protect from cold/frost
Banana	Dunching	Colu	*	protect from cold/frost Mulching with straw/crop residue at root zone to avoid
Large Cardamom	C	Cold	*	protect from cold/frost
	C	Cold	*	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
	Vegetative/ flowering stage	Cold	*	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base
Large Cardamom	Vegetative/ flowering stage	Disease	*	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base
Large Cardamom	Vegetative/ flowering stage		*	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants.
Large Cardamom LIVESTOCKS Livestock	Vegetative/ flowering stage Stage	Disease	*	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed
Large Cardamom LIVESTOCKS Livestock Damage Clean d	Vegetative/ flowering stage Stage d grain (not fung	Disease us contaminated)	* * to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed General
Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned,	Vegetative/ flowering stage Stage d grain (not fung rinking water sl	Disease us contaminated) hould be ensured	* to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed General verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
Large Cardamom LIVESTOCKS Livestock Damage Clean d	Vegetative/ flowering stage Stage d grain (not fung	Disease us contaminated) hould be ensured FMD (high fever	* to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. * Precautionary Practices to be followed General 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
Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned,	Vegetative/ flowering stage Stage d grain (not fung rinking water sl	Disease us contaminated) hould be ensured FMD (high fever and appearance	* to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed General 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
Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned,	Vegetative/ flowering stage Stage d grain (not fung rinking water sl	Disease us contaminated) hould be ensured FMD (high fever	* to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed General 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
Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned,	Vegetative/ flowering stage Stage d grain (not fung rinking water sl	Disease us contaminated) thould be ensured FMD (high fever and appearance of mucous	* to be di	Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. * Precautionary Practices to be followed General 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.
Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned,	Vegetative/ flowering stage Stage d grain (not fung rinking water sl	Disease us contaminated) thould be ensured FMD (high fever and appearance of mucous membrane of the	* to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed General 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. Avoid dampness and cover weak and sick animals with sack
Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned,	Vegetative/ flowering stage Stage d grain (not fung rinking water sl	Disease us contaminated) hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	* to be di	protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. Precautionary Practices to be followed General 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. Avoid dampness and cover weak and sick animals with sack cloth.
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Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned, Pigs	Vegetative/ flowering stage Stage d grain (not fung rinking water sl All stages	Disease us contaminated) hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	to be di	Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. * Precautionary Practices to be followed General 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. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
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Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned, Pigs	Vegetative/ flowering stage Stage d grain (not fung rinking water sl All stages All stages	Disease us contaminated) hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	to be di round	Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. * Precautionary Practices to be followed General 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. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Avoid dampness and cover weak and sick animals with sack cloth. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
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Large Cardamom LIVESTOCKS Livestock Damage Clean d cleaned, Pigs	Vegetative/ flowering stage Stage d grain (not fung rinking water sl All stages All stages	Disease us contaminated) hould be ensured FMD (high fever and appearance of mucous membrane of the mouth and foot.)	to be di round	Mulching with straw/crop residue at root zone to avoid frost injury in banana. Provide proper drainage to avoid water stagnation in the base of the plants. * Precautionary Practices to be followed General 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. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Avoid dampness and cover weak and sick animals with sack cloth. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Deworming for gastrointestinal parasite To avoid water turbidity, use grass turfing or horticultural
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Cattle	All stages	FMD	*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Contact Scient	ists (ICAR) or Sta	ate Agril Staff or 1	KVK sta	aff for measures against adverse conditions or call at 03795- 7/226247

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

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45 Dated: Tue, 5th June, 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 10 th June 2018
Rainfall: 4.8 mm; T. Max: 35.0°C; T. Min:	Mostly cloudy with possibility of light/moderate rainfall. Daily
23.8°C; RH: 73-80%	maximum and minimum temperature for the following period is
	predicted to be 32-33°C and 23-25°C respectively. Expected
	morning and evening relative humidity will be 82-88% and 43-47%
	respectively. Expected wind direction is mainly W & S with speed
	range of 2-5 kmph.
Warning:	• Nil

Weather Based Agro-meteorological Advisories Bulletin

GENERAL RECOMMENDATIONS On automation of pointally

- Suspend all spray operations
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff

1 Toper d	1 Toper dramage to an crop to avoid runon			
Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
FIELD CROPS	S			
WRC-RICE	Nursery		Sowing of quality seeds in prepared nursery,	
(Mipun)(norma			❖ Before sowing, treat seeds with solution of Carbandazim	
l sown)			50WP @ 1 grams in one litre of water per kilogram of seeds.	
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 elongation	Leaf blast/ leaf spot	•	On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. Provide proper drainage and soil conservation measures like mulching with locally available materials. Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides Manual weeding may be done during dry days
Maize	Pod formation	Soybean looper	**	Provide proper drainage Spray Azadirachtin 0.15% EC 2@ 6ml/lit Monitor the crop against attack of insect pests,
VEGETABLE	S		•	Monitor the crop against attack of insect pests,
Vegetables	Vegetative	Leaf eating insects	*	Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	*	Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULT	URAL CROPS			to avoid exposure to crosson,.
Apple	Fruiting	Fruit drop / wooly aphids	* *	Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	* *	Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
Banana	All stages	Scary beetles	*	Apply Malathion dust 5D inside the whorl of the plant, Planting of new saplings may be done in present weather
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,
Ginger/ Turmeric	Germination/ Vegetative		*	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. Proper drainage to avoid water stagnation
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			-	
Honey bees			*	Cover the boxes with locally available dry grass or straw to provide warmth
LIVESTOCKS	ı	Di-		A. Duggaytian and Duggtian to be C. H.
Livestock Fishery	Stage	Disease	*	❖ Precautionary Practices to be followed 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 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.
Poultry	All stages		* * *	Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.
Goat	All stages		*	Deworming for gastrointestinal parasite
Cattle	All stages	FMD		Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements
Contact Scien	ntists (ICAR) or		r KV	K staff for measures against adverse conditions or call
		at 037	95-2 2	26237/226247

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45 Dated: Tue, 5th June, 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 10 th June 2018
Rainfall (Koloriang): 5.8 mm	Mostly cloudy with possibility of moderate rain. Daily maximum
	and minimum temperature for the following period is predicted to be
	25-26°C and 17-18°C respectively. Expected morning and evening
	relative humidity will be 85-91% and 48-61% respectively. Wind
	direction is mainly SE & SSE with wind speed range of 3-4 kmph.
Warning	• Nil

GENERAL RECOMMENDATIONS

- Suspend all spray operations
- Do not go for fertilizer/manure applications
- Proper drainage to all crop to avoid runoff

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CRO	PS		
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 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.
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 carryover of the infestation to the main field.
Pea	Maturity	Powdery mildew/ leaf eating insects	 Green pods can he harvested during sunny days 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.
VEGETABLE		x c :	
Vegetables	Vegetative	Leaf eating insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	 Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
	URAL CROPS		
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.
Apple	Fruiting	Fruit drop / wooly aphids	 Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	 Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
Peach	Fruit maturing	Fruit Fly	 Install fruit fly pheromone traps, 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 to be done for next season planting
Ginger/ Turmeric	Germination/ Vegetative		 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. Proper drainage to avoid water stagnation
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to protect from cold/frost

			*	Mulching with straw/crop residue at root zone to avoid frost injury in banana.
Honey Bees				
			*	Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS				
				verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
Livestock	Stage	Disease		Precautionary Practices to be followed
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 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.
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
Poultry	All stages			Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
Mithun		FMD	*	
Contact Scient	tists (ICAR) or	0		K staff for measures against adverse conditions or call 26237/226247

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45 Dated: Tue, 5th June, 2018

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)







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

Advisory for district: Lohit



Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 7.6 mm	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 30-31°C and 21-22°C respectively. Expected morning
	and evening relative humidity will be 85-92% and 39-46%
	respectively. Wind direction is mainly ENE with speed range of 4-6
	kmph.
Warning:	Thunderstorm in few places

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
FIELD CROI	PS					
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	• On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast & leaf spot.			
			 Provide proper drainage and soil conservation measures like mulching with locally available materials. 			
			Keep the periphery clean			
			Avoid application of fertilizer and insecticides/pesticides			
			Manual weeding may be done during dry days			

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.
WRC-RICE	Nursery		*	Sowing of quality seeds in prepared nursery,
(Normal sown)			*	Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
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	Seed	Powdery	*	Need based foliar spray of Dinocap (0.2%) or Carbendazim
	development	mildew/ leaf eating insects		50WP (0.1%) or Propiconazole (0.1%) using sticker if the infestation is high.
VEGETABLE		T C .:	•	
Vegetables	Vegetative	Leaf eating insects	*	Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
				Provide adequate drainage
Cucurbits	Flowering/	Leaf eating		Monitor for possible attack of insect/pests
	Fruiting	insects	*	During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
			*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULT	URAL CROPS			,
Guava	Flowering			Avoid water logging in the basin,
Ciara de Transcaria	C			Basin cleaning in half moon system is advised,
Ginger/ Turmeric	Germination/ Vegetative		*	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.
Banana	All stages	Scary beetles	*	Proper drainage to avoid water stagnation Apply Malathion dust 5D inside the whorl of the plant,
Danana	An stages	Scary beckes		Planting of new saplings may be done in present weather
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
Kiwi	Pruning/Training		*	nutrient loss due to rain. Diseased and senile branches should be removed.
KIWI	Fruining/Training			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
			Ť	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
II D				clear/dry days.
Honey Bees Honey bees			*	Cover the boxes with locally available dry grass or straw to
•	4		*	provide warmth
Livestock Livestock		Disease		Precautionary Practices to be followed
Livestock	Stage	Disease	**	General
			to be di	verted for Poultry/livestock feeding the clock and water troughs/feeders should be regularly
cleaned, Fishery			*	To avoid water turbidity, use grass turfing or horticultural
cleaned,			*	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 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. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. 			
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis. 			
Goat	All stages		❖ Deworming for gastrointestinal parasite			
Cattle	All stages	FMD	 Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Provide feed supplements 			
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247					

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 2018

ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)







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

Advisory for district: Lower Dibang Valley



Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 0.0 mm (Roing)	Partly/mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 29-30°C and 21-22°C respectively. Expected morning
	and evening relative humidity will be 87-92% and 44-54%
	respectively. Wind direction is mainly SSE with speed range of 5-6
	kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
FIELD CROI	PS					
Rice	Leaf Elongation/ Tillering	Stem borer	 Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. 			
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	• On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast & leaf spot.			

	Stage	Disease		Precautionary Practices to be followed
LIVESTOCKS Livestock	ı	D:		
Honey bees			*	Box must be covered with straw/dry leaves to provide warmth
Honey Bees				
			*	with mulching & regular irrigation. Applications of well decomposed cattle manure/compost @5kg/plant during clear/dry days.
Large cardamom	Sowing		*	Sowing in primary nursery bed at 2cm depth & 10cm apart
Guava	Flowering		*	Avoid water logging in the basin, Basin cleaning in half moon system is advised,
				(orange/banana/apple/peach) in steep slopes to prever nutrient loss due to rain.
			•	water on the tree against Phytophthora. Prepare half moon terraces for fruit crop
			j	spraying and drenching with metalaxyl MZ-72 @ 2.75 g/li
			•	trunk upto the height of 24 inches by brush. During clear dry days or using stickers during rain
Citrus	Flowering	Phytophthora	•	During clear dry days, apply Bordeaux paste on the tre
			*	prevent washing off during heavy rainfall, add organi matter to the soil & conserve moisture during dry seasons Proper drainage to avoid water stagnation
Ginger/ Turmeric	Germination/ Vegetative			Mulching ginger beds with locally available leaves/materials is advocated to enhance germination
Banana	All stages	Scary beetles		Apply Malathion dust 5D inside the whorl of the plant, Planting of new saplings may be done in present weather
HORTICULT				
Okra	ring Vegetative		*	Provide proper drainage
French Bean	Vegetative/flowe		*	Proper drainage
				carbandazim/Mancozab@2gm/lit to control fungal diseases in summer vegetables.
vegetables	flowering	fungal diseases	*	azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles During clear/dry days, spray
Summer	Vegetative/	Flea beetles/	*	During clear/dry days, spray
Cucurbits	Flowering		*	Cover the base of crop with locally available mulches to avoid exposure to erosion,.
VEGETABLE	S			clear/dry days.
				against aphids in Rapeseed/Mustard using sticker or durin clear/dry days.
_ JIM INDUMIN	1.24101111	- 1pm60		If the infestation is high, Spray Dimethoate 30EC @2ml/litt
Toria/ Mustard	Maturity	Aphids	*	infestation is high. Provide adequate drainage
		eating miscets	**	Need based foliar spray of Dinocap (0.2%) or Carbendazir 50WP (0.1%) or Propiconazole (0.1%) using sticker if the
	development	mildew/ leaf eating insects		near the base of the plants.
Pea	Seed	Powdery	*	Monitor the crop against attack of insect pests, Provide adequate drainage and avoid water stagnatio
Maize	Fod formation	Soybean looper	*	Provide proper drainage Spray Azadirachtin 0.15% EC 2@ 6ml/lit
Maize	Pod formation	0 1 1		50WP @ 1 grams in one litre of water per kilogram of seeds.
WRC-RICE (Normal sown)	Nursery		*	Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazir
			•	Manual weeding may be done during dry days
			•	Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides
			_	mulching with locally available materials.

cleaned,

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

Agro-met Advisory Bulletin

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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 Subansiri



Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = NA	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 30-31°C and 21-22°C
	respectively. Expected morning and evening relative humidity will
	be 91-94% and 45-56% respectively. Wind direction is variable with
	speed range of 3-4 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
FIELD CROP	FIELD CROPS					
WRC-RICE (Mipun)	Nursery		 Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds. 			
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 			

Rice	Transplantation / leaf elongation	Stem borer	 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. 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 carryover of the infestation to the main field.
Pea	Maturity	Powdery mildew/ leaf eating insects	 Green pods can he harvested during sunny days 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.
Toria/ Mustard VEGETABLE	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 Vegetables	Vegetative	Leaf eating	 Monitor for possible insect/pest attack
Vegetables	Vegetative	insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	 Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULT	URAL CROPS		
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.
Ginger/ Turmeric	Germination/ Vegetative		 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. Proper drainage to avoid water stagnation
Apple	Fruiting	Fruit drop / wooly aphids	 Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	 Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area

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,
			*	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.
Temperate fruits	After harvesting		*	Training & pruning of the temperate crops (apple/pears/peach) is recommended
			*	In case of flowering, stop spraying insecticides/pesticides
Agroforestry	1	ı		
Toko palm	Nursery		*	Filling of nursery polybags for raising of takopalm seedlings
Honey Bees	T.			
Honey bees			*	Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS	T			
Livestock	Stage	Disease		❖ Precautionary Practices to be followed
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		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.
			*	Right time to deworm with anti helmetic drugs (particularly
				Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Pigs	All stages	FMD (high fever and appearance	*	Avoid dampness and cover weak and sick animals with sack cloth.
		of mucous	*	The bedding is always dry and that there is plenty.
		membrane of the		If possible wooden sleeping box should be provided.
		mouth and foot.)	*	Right time to deworm with anti helmetic drugs (particularly
		Swine Fever		Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Cattle	All stages	FMD	*	Animals should be given lukewarm feed and water.
			*	Right time to deworm with anti helmetic drugs
				(particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30
			.•.	kg body weight.
			•••	Provide proper bedding materials especially to new-born and lukewarm food & water
			*	Provide feed supplements
Mithun		FMD		Polyvalent FMD vaccine with serotype O, A and Asia at 6
				months of age and repeat after that 6 months interval by sub-
				cutaneous route.
			*	Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tiete (ICAD) or	State Agril Stoff	or VV	K staff for measures against adverse conditions or call
Contact Scien	usis (ICAK) of			R stall for measures against adverse conditions or call 26237/226247
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Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45 Dated: Tue, 5th June, 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 10 th June 2018
Rainfall: 28.6 mm; T. Max: 35.9°C; T. Min: 22.8°C; RH: 70-97%	Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 23-25°C respectively. Expected morning and evening relative humidity will be 80-87% and 46-59% respectively. Expected wind direction mainly variable with speed
	range of 3-5 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operation is mostly not recommended, in case of heavy infestation spray using proper sticker
- Application of fertilizer/manure may be avoided
- Proper drainage to all crop to avoid runoff

DETAILS OF ADVISORIES FOR THE PERIOD **Precautionary Practices to be followed** Stage Pest/Disease Crop Jhum rice Rooting/ Leaf Leaf blast/ leaf On clear/sunny days, spray carbendazim @2g/lit water in spot elongation jhum field to control heavy infestation of leaf blast & leaf spot. Provide proper drainage and soil conservation measures like mulching with locally available materials. Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides

			•	Manual weeding may be done during dry days
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.
WRC-RICE	Nursery		*	Sowing of quality seeds in prepared nursery,
(Normal sown)			*	Before sowing, treat seeds with solution of Carbandazim
3.6	D 16	G 1 1		50WP @ 1 grams in one litre of water per kilogram of seeds.
Maize	Pod formation	Soybean looper	•	Provide proper drainage
			*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
				Monitor the crop against attack of insect pests,
Ginger/ Turmeric	Germination/			Mulching ginger beds with locally available
Omger/ Turmerie	Vegetative		•	leaves/materials is advocated to enhance germination,
				prevent washing off during heavy rainfall, add organic
				matter to the soil & conserve moisture during dry seasons.
			*	Proper drainage to avoid water stagnation
Cucurbits	Flowering/		*	
	fruiting			to avoid exposure to erosion,.
a	X Y /	T1 1 (1 /		Monitor for possible attack of insects/pests
Summer vegetables	Vegetative/ flowering	Flea beetles/ fungal diseases	*	During clear/dry days, spray
vegetables	Howering	Tungar 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.
		I	ORTIC	ULTURAL CROPS
Banana	All stages	Scary beetles	*	Apply Malathion dust 5D inside the whorl of the plant,
			*	Planting of new saplings may be done in present weather
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,
Large Cardamom	Vegetative		*	Provide proper drainage to avoid water stagnation in
				the base of the plant.
			Н	oney Bees
Honey bees			*	Box must be covered with straw/dry leaves to provide
				warmth
			LI	VESTOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
General				
_				verted for Poultry/livestock feeding
Clean di cleaned,	rinking water s	nould be ensured	round	the clock and water troughs/feeders should be regularly
Fishery			*	To avoid water turbidity, use grass turfing or horticultural
1 1511C1 y			•	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
1 200	1111 500505	and appearance	•	sterilized properly. Cooking the different raw materials
		of mucous		together is advocated to improve digestibility and to
		membrane of the		break- down toxins from some feeds.
		mouth and foot.)	*	Avoid dampness and cover weak and sick animals with sack
		Swine Fever	•	cloth.
			*	The bedding is always dry and that there is plenty.
		i	•	
			*	Right time to deworm with anti helmetic drugs (particularly

				Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Poultry	All stages		*	Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
			*	Inclusion of turmeric powder @ 10g/kg feed for prevention of cocciodiosis.
Goat	All stages		*	Deworming for gastrointestinal parasite
Cattle	All stages	FMD		Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
			*	Provide proper bedding materials especially to new-born and lukewarm food & water
			*	Provide feed supplements
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				

at 03795-226237/226247

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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: Tawang



Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = 16.0 mm	Partly/mostly cloudy with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 17-18°C and 7.0-8.0°C respectively. Expected
	morning and evening relative humidity will be 85-88% and 48-70%
	respectively. Wind direction is mainly SSE with probable speed
	range of 4-6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROP	PS		
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 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.
Maize	Vegetative		Monitor against insect pest attack
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
			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 carryover of the infestation to the main field.
VEGETABLE	S		
Vegetables	Vegetative	Leaf eating	 Monitor for possible insect/pest attack
		insects	❖ During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating
			insects.
HODELCHIE	LIDAL CDODG		 Provide adequate drainage
Apple	URAL CROPS Fruiting	Fruit drop /	❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to
Прріс	Traiting	wooly aphids	inhibit fruit drop
			❖ Application of paradiclorobenzene at 2 meter away
			from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating	★ Kiwi fruit vine should be covered with 50% shade net to
		beetle	protect flowers from heavy rain and hail storm.
			Hand collection of the insects and its destruction,
			Make proper drainage facility in the crop area
Peach	Fruit maturing	Fruit Fly	❖ Install fruit fly pheromone traps,
			Collect and dispose off the fallen fruits.Clean basin,
Temperate fruits	After harvesting		 Training & pruning of the temperate crops (apple/pears/peach)
			is recommended
Vegetables	Vegetative	Leaf eating	 In case of flowering, stop spraying insecticides/pesticides Monitor for possible insect/pest attack
		insects	❖ During clear dry days or using stickers, foliar spray of
			Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
			 Provide adequate drainage
Cucurbits	Flowering/	Leaf eating	 Monitor for possible attack of insect/pests
	Fruiting	insects	❖ During clear dry days or using stickers, foliar spray of
			Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
			Cover the base of crop with locally available mulches
D	D 1:	C 11	to avoid exposure to erosion,.
Banana	Bunching	Cold	Cover newly emerged bunches with locally available sack to protect from cold/frost
			 Mulching with straw/crop residue at root zone to avoid
LIVESTOCKS	2		frost injury in banana.
Livestock	Stage	Disease	❖ Precautionary Practices to be followed
General		2250050	,
			be diverted for Poultry/livestock feeding
			the clock and water troughs/feeders should be regularly cleaned, Food waste or garbage fed to swine must be cooked and
Pigs	All stages	FMD (high fever 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	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
<u> </u>	1		

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

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

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45

Dated: Tue, 5th June, 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 10 th June 2018
Rainfall = 66.2 mm	Mostly cloudy with possibility of moderate rain. Daily maximum
	and minimum temperature for the following period is predicted to be
	32-33°C and 23-25°C respectively. Expected morning and evening
	relative humidity will be 79-87% and 42-49% respectively. Wind
	direction is mainly SE & SSE with speed range of 2-6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
FIELD CROP	S			
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.
Maize	Pod formation	Soybean looper	*	Provide proper drainage
			*	Spray Azadirachtin 0.15% EC 2@ 6ml/lit
			*	Monitor the crop against attack of insect pests,
WRC-RICE	Nursery		*	Sowing of quality seeds in prepared nursery,
(Normal sown)			*	Before sowing, treat seeds with solution of Carbandazim
				50WP @ 1 grams in one litre of water per kilogram of seeds.

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
VEGETABLES	S			
Vegetables	Vegetative	Leaf eating insects	*	Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	*	Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULTU	TRAL CROPS			to a for exposure to erosion,
Banana	All stages	Scary beetles	* *	Apply Malathion dust 5D inside the whorl of the plant, Planting of new saplings may be done in present weather
Ginger/ Turmeric	Germination/ Vegetative		*	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.
Citrus	Flowering	Phytophthora	•	Proper drainage to avoid water stagnation 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
			•	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,
Honey Bees				· · · · · · · · · · · · · · · · · · ·
-			*	Box must be covered with straw/dry leaves to provide warmth
LIVESTOCKS				
Livestock	Stage	Disease		Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	* * * * *	Food waste or garbage fed to swine must be cooked and sterilized properly. Cooking the different raw materials together is advocated to improve digestibility and to break- down toxins from some feeds. Avoid dampness and cover weak and sick animals with sack cloth. The bedding is always dry and that there is plenty. Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight.
Fishery			*	To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond. Broadcast mustard Oil Cake (MOC) @5kg/day over the
Poultry	All stages			pond twice daily to feed fish fingerlings. Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging.
	A 11 .			Day old chick-Maintain warmth by lighting,
Goat Cattle	All stages All stages	FMD	*	Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water
			*	Provide feed supplements

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

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Agro-met Advisory Bulletin

(Period: 6th to 8th June, 2018)

No: AMFU-Basar/2018/45 Dated: Tue, 5th June, 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 10 th June 2018
Rainfall = 7.0 mm	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 25-26°C and 17-18°C respectively. Expected
	morning and evening relative humidity will be 94-98% and 41-51%
	respectively. Wind direction is mainly E & ESE with speed range of
	3-5 kmph.
Warning:	Thunderstorm in few places

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
FIELD CROI	PS .		
WRC-RICE (Mipun)	Nursery		 Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds.
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 carryover of the infestation to the main field.

Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 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.
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		T C :	
Vegetables	Vegetative	Leaf eating insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	 Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULT	IIRAL CROPS		to avoid exposure to crosion,
Apple	Fruiting	Fruit drop / wooly aphids	 Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during
Kiwi	Flowering	Leaf eating beetle	 clear/dry days Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
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.
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.
Peach	Fruit maturing	Fruit Fly	 Install fruit fly pheromone traps, 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.
Banana	Bunching	Cold	 Cover newly emerged bunches with locally available sack to protect from cold/frost Mulching with straw/crop residue at root zone to avoid frost injury in banana.
LIVESTOCKS	8		
Livestock	Stage	Disease	 Precautionary Practices to be followed
❖ Damage	d grain (not fung	us contaminated)	❖ General to be diverted for Poultry/livestock feeding

Fishery			*	To avoid water turbidity, use grass turfing or horticult
				crop at embankment/dyke of the earthen fish pond.
			*	Broadcast mustard Oil Cake (MOC) @5kg/day over
				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		sterilized properly. Cooking the different raw materials
		of mucous		together is advocated to improve digestibility and to
		membrane of the		break- down toxins from some feeds.
		mouth and foot.) Swine Fever	*	Avoid dampness and cover weak and sick animals with sac
		Swille 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 wei
Poultry	All stages		*	Provide shelter to the backyard/scavenging poultry. I
•				grains in the morning/evening to supplement scavenging
			*	Inclusion of turmeric powder @ 10g/kg feed
				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 pe
				kg body weight. Provide proper bedding materials especially to new-born
			•	lukewarm food & water
			*	Provide feed supplements
Mithun		FMD		Polyvalent FMD vaccine with serotype O, A and Asia
				months of age and repeat after that 6 months interval by
				cutaneous route.
			*	Pregnant animals above 7 months of pregnancy should
				avoided. K staff for measures against adverse conditions or c

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

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GRAMIN KRISHI MAUSAM SEWA

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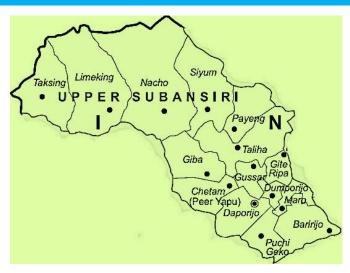






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

Advisory for district: Upper Subansiri



Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Daporijo: 0.0 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 30-31°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 85-88% and 46-52%
	respectively. Expected wind direction is mainly SE with speed range
	of 2-3 kmph.
Warning	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed			
	FIELD CROPS					
WRC-RICE (Mipun)	Nursery		 Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds. 			
Pea	Maturity	Powdery mildew/ leaf eating insects	 Green pods can he harvested during sunny days 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.
Toria/ Mustard	Harvesting	Aphids	❖ Harvest during clear/dry days
			 Provide adequate drainage
			If the infestation is high, Spray Dimethoate 30EC @2ml/litu
			against aphids in Rapeseed/Mustard using sticker or during
			clear/dry days.
Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	 On clear/sunny days, spray carbendazim @2g/lit water if <i>jhum</i> field to control heavy infestation of leaf blast & leas spot.
			 Provide proper drainage and soil conservation measures lik mulching with locally available materials.
			Keep the periphery clean
			 Avoid application of fertilizer and insecticides/pesticides
			Manual weeding may be done during dry days
Rice	Transplantation	Stem borer	On anticipation of rain, provide proper drainage to th
	/ leaf		nursery/main field to avoid runoff
	elongation		 Rice: Weed free & clean nursery periphery to prever 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.
			will reduce the carryover of the infestation to the main field.
			VEGETABLES
Vegetables	Vegetative	Leaf eating	 Monitor for possible insect/pest attack
		insects	During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eatin insects.
			Provide adequate drainage
Cucurbits	Flowering/	Leaf eating	 Monitor for possible attack of insect/pests
	Fruiting	insects	During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects.
			 Cover the base of crop with locally available mulches
			to avoid exposure to erosion,.
	I =		ICULTURAL CROPS
Apple	Fruiting	Fruit drop /	❖ Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to
		wooly aphids	inhibit fruit drop❖ Application of paradiclorobenzene at 2 meter away
			from the trunk is advised against wooly aphids durin clear/dry days
Kiwi	Flowering	Leaf eating	* Kiwi fruit vine should be covered with 50% shade net to
		beetle	protect flowers from heavy rain and hail storm.
			 Hand collection of the insects and its destruction,
			Make proper drainage facility in the crop area
Ginger/ Turmeric	Germination/		❖ Mulching ginger beds with locally available
	Vegetative		leaves/materials is advocated to enhance germination prevent washing off during heavy rainfall, add organi
			matter to the soil & conserve moisture during dry seasons ❖ Proper drainage to avoid water stagnation
Citrus	Flowering	Phytophthora	 During clear dry days, apply Bordeaux paste on the tre 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/l water on the tree against Phytophthora.
			 Prepare half moon terraces for fruit crop (orange/banana/apple/peach) in steep slopes to preven nutrient loss due to rain.
			nument 1088 and to fam.
Peach	Fruit maturing	Fruit Fly	❖ Install fruit fly nheromone trans
Peach	Fruit maturing	Fruit Fly	 Install fruit fly pheromone traps, Collect and dispose off the fallen fruits. Clean basin.
Peach Temperate fruits	Fruit maturing After harvesting	Fruit Fly	• • • • • • • • • • • • • • • • • • •

Stage All stages	T	 Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS
	T	•
	T	IVESTOCKS
		LIVEDIUCID
All stages	Disease	Precautionary Practices to be followed
an 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. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weigh
		❖ To avoid water turbidity, use grass turfing or horticultural crop at embankment/dyke of the earthen fish pond.
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 for prevention of cocciodiosis.
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 3 kg body weight. Provide proper bedding materials especially to new-born an lukewarm food & water Provide feed supplements
	FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at months of age and repeat after that 6 months interval by subcutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
P	All stages	Mall stages All stages FMD

Agrometeorological Field Unit ICAR, BASAR

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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: West Kameng



Weather summery of the previous week	Weather forecast valid up to 10 th June 2018
Rainfall = Bomdila: 0.0; Bhalukpong: 26.4	Partly/mostly cloudy with possibility light/moderate rainfall.
mm	Daily maximum and minimum temperature for the following period
	is predicted to be 25-26°C and 17-18°C respectively. Expected
	morning and evening relative humidity will be 85-93% and 43-56%
	respectively. Wind direction is mainly NNW with speed range of 3-
	6 kmph.
Warning:	•

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

DETAILS OF ADVISORIES FOR THE PERIOD

Crop	Stage	Pest/Disease	Precautionary Practices to be followed				
FIELD CROPS	FIELD CROPS						
Jhum rice	Leaf elongation	Leaf blast/ leaf spot/ Yellow stem borer	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control infestation of leaf blast & leaf spot. Collection of egg masses (Yellow cottony mass) is advised. 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 harboring Manual weeding advocated during clear dry days. 	
Rice	Transplantation / leaf elongation	Stem borer	 On anticipation of rain, provide proper drainage to nursery/main field to avoid runoff Rice: Weed free & clean nursery periphery to prodisease/pest harboring. Cut the tips of the leaves before transplanting reduce population of stem borer as the eggs are laid on that swill reduce the carryover of the infestation to the main field. 	es the site. It
Pea	Maturity	Powdery mildew/ leaf eating insects	 Green pods can he harvested during sunny days Provide adequate drainage and avoid water stagnation ne base of the plants. Need based foliar spray of Dinocap (0.2%) or Carbent 50WP (0.1%) or Propiconazole (0.1%) using sticker infestation is high. 	dazim
Toria/ Mustard	Harvesting	Aphids	 Harvest during clear/dry days Provide adequate drainage If the infestation is high, Spray Dimethoate 30EC @2m against aphids in Rapeseed/Mustard using sticker or clear/dry days. 	
VEGETABLE				
Vegetables	Vegetative	Leaf eating insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spr Azadirachtin 0.15% EC 2@ 6ml/lit against leaf oinsects. Provide adequate drainage 	
Cucurbits	Flowering/ Fruiting	Leaf eating insects	 Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available multiple avoid exposure to erosion,. 	g
HORTICULT	URAL CROPS			
Apple	Fruiting	Fruit drop / wooly aphids	 Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter aw from the trunk is advised against wooly aphids diclear/dry days 	•
Kiwi	Flowering	Leaf eating beetle	 Kiwi fruit vine should be covered with 50% shade net protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area 	
Citrus	Flowering	Fruit drop/ Phytophthora	 Foliar application of micronutrient/multiplex @ should be done to prevent flower drop During clear dry days, apply Bordeaux paste on the tree upto the height of 24 inches by brush. During clear dry days or using stickers during rain, spr and drenching with metalaxyl MZ-72 @ 2.75 g/lit was the tree against Phytophthora. Prepare half moon terraces for fruit (orange/banana/apple/peach) in steep slopes to pronutrient loss due to rain. 	trunk raying ter on crops
Ginger/ Turmeric	Germination/ Vegetative		 ❖ Mulching ginger beds with locally avaleaves/materials is advocated to enhance germin prevent washing off during heavy rainfall, add or matter to the soil & conserve moisture during dry sea ❖ Proper drainage to avoid water stagnation 	ganic
Peach	Fruit maturing	Fruit Fly	 Froper dramage to avoid water stagnation Install fruit fly pheromone traps, Collect and dispose off the fallen fruits. Clean basin, 	

anana	Bunching	Cold	*	Cover newly emerged bunches with locally available sack to protect from cold/frost
LIVESTOCK	S	<u> </u>		
Livestock	Stage	Disease		Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.) Swine Fever	*	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. 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.
Yak	All stages			Feeding of concentrate feed along with mineral mixture and salt. Hay feeding is recommended.
Poultry	All stages		* *	Provide shelter to the backyard/scavenging poultry. Feed grains in the morning/evening to supplement scavenging. Day old chick-Maintain warmth by lighting, In present weather conditions protect the birds from cold by using gunny bags/plastic sheets around the poultry shed during night, Provide heat by lighting 100W bulb @ 1 bulb per 20 newly born chicks.
Cattle	All stages	FMD	*	Animals should be given lukewarm feed and water. Right time to deworm with anti helmetic drugs (particularly Tapeworms) viz. Fento Plus @ 1 tablet per 30 kg body weight. Provide proper bedding materials especially to new-born and lukewarm food & water Heavy mortality in cloven footed animals has been reported. Supportive treatment of infected animals under supervision of veterinary department officials, Avoid mixing of infected and healthy animals, Keep infected animals separated from the healthy ones, Vaccinate the healthy animals against FMD (Through State Veterinary Dept.) Provide feed supplements
Mithun		FMD		Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

Agrometeorological Field Unit ICAR, BASAR

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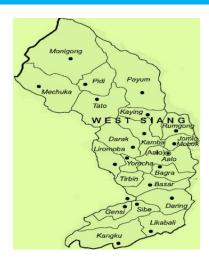






AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

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 10 th June 2018
Basar: Rainfall =0.8 mm. T. Max: 31.2°C,	Mostly cloudy with possibility of moderate to rather heavy
T. Min: 19.0°C, RH: 56-91%, Wind Speed:	rainfall. Daily maximum and minimum temperature for the
2-5 kmph, Wind Direction: NNE & WSW	following period is predicted to be 31-32°C and 22-23°C
	respectively. Expected morning and evening relative humidity will
	be 77-83% and 44-48% respectively. Wind direction is mainly
	variable with speed range of 2-5 kmph.
Warning:	• Nil

GENERAL RECOMMENDATIONS

- Spray operations may be done only during clear dry days or using proper sticker
- Manual weeding may be done
- Proper drainage to all crop to avoid runoff
- Check for vaccination schedule of livestock/poultry

Check for vaccination schedule of investock/pountry				
DETAILS OF ADVISORIES FOR THE PERIOD				
Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
FIELD CROP	PS			
WRC-RICE (Mipun)	Nursery		 Sowing of quality seeds in prepared nursery, Before sowing, treat seeds with solution of Carbandazim 50WP @ 1 grams in one litre of water per kilogram of seeds. 	
Rice	Leaf Elongation/ Tillering	Stem borer	 Rice: Weed free & clean nursery periphery to prevent disease/pest harboring. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. 	

Jhum rice	Rooting/ Leaf elongation	Leaf blast/ leaf spot	 On clear/sunny days, spray carbendazim @2g/lit water in jhum field to control heavy infestation of leaf blast & leaf spot. Provide proper drainage and soil conservation measures like mulching with locally available materials. Keep the periphery clean Avoid application of fertilizer and insecticides/pesticides Manual weeding may be done during dry days
Pea	Maturity	Powdery mildew/ leaf eating insects	 Green pods can he harvested during sunny days 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 Monitor the crop against attack of insect pests,
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	S		
Vegetables	Vegetative	Leaf eating insects	 Monitor for possible insect/pest attack During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Provide adequate drainage
Cucurbits	Flowering/ Fruiting	Leaf eating insects	 Monitor for possible attack of insect/pests During clear dry days or using stickers, foliar spray of Azadirachtin 0.15% EC 2@ 6ml/lit against leaf eating insects. Cover the base of crop with locally available mulches to avoid exposure to erosion,.
HORTICULT	URAL CROPS		-
Ginger/ Turmeric	Germination/ Vegetative		 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. Proper drainage to avoid water stagnation
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.
Apple	Fruiting	Fruit drop / wooly aphids	 Spray 2,4,5-T @ 20ppm or 2,4,5-TCPA @ 15ppm to inhibit fruit drop Application of paradiclorobenzene at 2 meter away from the trunk is advised against wooly aphids during clear/dry days
Kiwi	Flowering	Leaf eating beetle	 Kiwi fruit vine should be covered with 50% shade net to protect flowers from heavy rain and hail storm. Hand collection of the insects and its destruction, Make proper drainage facility in the crop area
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,
_			❖ Basin cleaning in half moon system is advised,
Banana	All stages	Scary beetles	 Apply Malathion dust 5D inside the whorl of the plant, Planting of new saplings may be done in present weather
Large cardamom	Sowing		 Sowing in primary nursery bed at 2cm depth & 10cm apart with mulching & regular irrigation. Applications of well decomposed cattle manure/compose @5kg/plant during clear/dry days.
HONEY BEES			
Honey bees			 Cover the boxes with locally available dry grass or straw to provide warmt
LIVESTOCKS			
Livestock	Stage	Disease	 Precautionary Practices to be followed
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 sac 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 weights avoid water turbidity, use grass turfing or horticular.
Fishery			crop at embankment/dyke of the earthen fish pond.
Poultry	All stages		 Provide shelter to the backyard/scavenging poultry. F grains in the morning/evening to supplement scavenging Day old chick-Maintain warmth by lighting, Inclusion of turmeric powder @ 10g/kg feed 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 kg body weight. Provide feed supplements
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia a months of age and repeat after that 6 months interval by s cutaneous route. Pregnant animals above 7 months of pregnancy should avoided.
Contact Scienti	ists (ICAR) or		KVK staff for measures against adverse conditions or ca 95-226237/226247