Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Rainfall = 0.0 mm (Roing)	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 24-27°C and 18-21°C respectively. Expected morning
	and evening relative humidity will be 92-98% and 52-80%
	respectively. Wind direction is mainly E & ENE with speed range of
	2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 16 th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
F	~5		FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
Maize	Multiple stages		 If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Soybean	Sowing		Sowing can be doneIf already sown, maintain proper drainage
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	ICULTURAL CROPS
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
			Honey Bees
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.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water 	
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter 	
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 	
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice doily advacated for healthy fingerlings.	
Contact Scien	tiete (ICAP) or	State Agril Staff	daily advocated for healthy fingerlings	
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall = NA (Ziro)	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-29°C and 18-21°C respectively. Expected
	morning and evening relative humidity will be 96-97% and 75-90%
	respectively. Wind direction is variable with speed range of 2-3
	kmph.
Warning:	Heavy to very heavy rainfall likely on 16 th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	Ğ		FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out
Maize	Multiple stages		 Right time for transplantation If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young
Jhum field	Tillering		 seedlings. Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Soybean	Sowing		 Sowing can be done If already sown, maintain proper drainage
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield on clear day
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
D	G 11: /		VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	ICULTURAL CROPS
Pineapple	Vegetative	110111	• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.

Agroforestry					
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings		
	Honey Bees				
Honey bees			Box must be covered with straw/dry leaves to provide warmth		
			LIVESTOCKS		
Livestock	Stage	Disease	Precautionary Practices to be followed		
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water 		
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter 		
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 		
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings		
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247					

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall: 86.9 mm; T. Max: 33.0°C; T. Min:	Mostly cloudy with possibility of light to rather heavy rainfall.
22.0°C; RH: 81-98%	Daily maximum and minimum temperature for the following period
	is predicted to be 28-32°C and 22-24°C respectively. Expected
	morning and evening relative humidity will be 96-99% and 61-95%
	respectively. Expected wind direction is mainly NE and ENE with
	speed range of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 16 th June

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

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Nusseyytanapil anting/Tillering stage	Soybean	Sowing		Sowing can be done
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mining Tillering stage more continued more continue	Rice	Nursery/transpl		Maintain periphery of nursery field weed free and clean to
Mairatain proper drainages for nursery plot of rice. Seedling in lowland rice nursery may be carried out		anting/Tillering		
Seedling in lowland rice nursery may be carried out		stage		
Maize Multiple stages If bluish-green leaves are observed, apply SSP or DAP along with 273" of Urea to rejuvenate the plant from phosphorus deficiency Groundnut Vegetative stage Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings. Finger millet Sowing Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. VEGETABLES Pro-summer vegetabl				
Multiple stages				
Groundnut Vegetative stage				~ ~
Groundmut Vegetative stage	Maize	Multiple stages		
Proceedings				with 2/3 rd of Urea to rejuvenate the plant from phosphorus
### affect the pod formation adversely On sumny day spray triazophose@2ml/lit water in young seedlings. Finger millet Sowing Aphids in Vegetative vegetative vegetative vegetables Pre-summer vegetables Provision of drainage to remove excess water followed by earthing up in vegetables or rops/ Brinjal Shoot & Fruit borer #### HORTICULTURAL CROPS Pincapple Vegetative Findapple Vegetative Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer ##################################				deficiency
### affect the pod formation adversely On sumny day spray triazophose@2ml/lit water in young seedlings. Finger millet Sowing Aphids in Cucurbiaccous crops/ Brinjal Shoot & Fruit borer #### Fruit borer ##################################	Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
Finger millet Sowing Pre-summer vegetables Seedling/vegetative Pre-summer vegetables Seedling/vegetables Seedling/vegetables Seedling/vegetables Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer Brinjal Shoot & Fruit borer Fineapple Pineapple Vegetative Pineapple Vegetative Fineapple Citrus Citrus Vegetative Phytophthlora disease/ Citrus canker Affected leaves, branch should be pruned and burnt. Seedling of Brinjal Shoot and fruit borer Affected leaves, branch should be pruned and burnt. Service and of 30 days, use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prollow proper drainage and carthing up practices in low land/plain areas to avoid water stagnation in fruit orops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prollow proper drainage and carthing up practices in low land plain areas to avoid water stagnation in fruit orchards Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown		stage		
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Pre-summer vegetables Seedling Aphids in Cuphic Copps				
Pre-summer vegetables Pre-summer vegetables Scedling/ vegetative Proposition of drainage to remove excess water followed by earthing up in vegetables. Proposition of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit bover. HORTICULTURAL CROPS Pineapple Vegetative Phytophthora disease/ Citrus canker Phytophthora disease/ Citrus canker Phytophthora disease/ Citrus canker Phytophthora disease/ Citrus canker Proper drainage to be done and avoid water stagnation Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with straptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days, (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrien				-
Pre-summer vegetables	Finger millet	Sowing		
Pre-summer vegetables Seedling / vegetative Seedling / vegetative Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.				VR-708 can be carried out without delay.
Pre-summer vegetables Seedling / vegetative Seedling / vegetative Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.				VEGETABLES
Vegetative Cucurbitaceous Crops Brinjal Shoot & Fruit borer	Pre-summer	Seedling/		
Crops/Brinjal Shoot & Fruit borer In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits		_		
Brinjal Shoot & Fruit borer Bring of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. HORTICULTURAL CROPS Pineapple Vegetative Ginger/Turmeric Ginger/Turmeric Seedling Phytophthora disease/ Citrus canker Phytophthora canker Phytophthora disease/ Citrus canker Phytophthora canker Phytophthora canker Phytophthora canker Phytophthora disease/ Citrus canker Phytophthora canker Phytophthora canker Phyt		· ·	crops/	
Stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. HORTICULTURAL CROPS Pineapple Vegetative HORTICULTURAL CROPS Earthing-up and removal of excess suckers for better plant establishment and anchorage. Proper drainage to be done and avoid water stagnation of required fertilizer should be done Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days, (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banama/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banama/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banama/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banama/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banama/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Pollow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall. Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery bed at 2cm deep and				
made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. HORTICULTURAL CROPS Pineapple Vegetative Bearthing-up and removal of excess suckers for better plant establishment and anchorage. Ginger/Turmeric Citrus Vegetative Phytopththora disease/ Citrus canker Phytopththora disease/ Citrus canker Proper drainage to be done and avoid water stagnation earthing up of ginger/turmeric along with basal application of required fertilizer should be done Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days, (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Penavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall. Large Cardamom Sowing Sowing Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery bed at 2cm deep and 10 cm apart followed by mulching &			•	
Dust ash powder in cucurbits			& Fruit borer	·
Pineapple Vegetative Seedling				made of bamboo + sticks.
Borea Horticultural Crops				 Dust ash powder in cucurbits
Borea Horticultural Crops				• Use pheromone traps/light traps against brinjal shoot and fruit
Pineapple Vegetative				
Pineapple Vegetative Seedling Proper drainage to be done and avoid water stagnation			HORT	
Ginger/Turmeric Ginger/Turmeric Ginger/Turmeric Ginger/Turmeric Seedling Phytopththora disease/ Citrus canker Phytopththora disease/ Citrus canker Phytopththora disease/ Citrus canker Phytopththora disease/ Citrus canker Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient los	Pineannle	Vegetative	HORT	
Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Citrus Vegetative Phytopththora disease/ Citrus canker Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Pollow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Penavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall. Large Cardamom Sowing Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS	Тисарыс	vegetative		
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warmth LIVESTOCKS	Honey bees			Box must be covered with straw/dry leaves to provide
LIVESTOCKS				
				11 TO 15
Disease Treatment Tractices to be followed	Livestock	Stage	Disease	
	LIVESTUCK	Biage	Discase	11 ccautional y 11 actives to be followed

Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun Contact Scien	tigta (ICAP) au	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. For KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Rainfall = NA	Mostly cloudy with possibility of light/moderate rainfall,. Daily
	maximum and minimum temperature for the following period is
	predicted to be 18-21°C and 10-12°C respectively. Expected
	morning and evening relative humidity will be 89-93% and 63-78%
	respectively. Wind direction is variable with probable speed range
	of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 16 th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Rice	Nursery/transpl		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		Maintain proper drainage for nursery plot of rice.
			Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
1,1412C	ividitiple stages		with $2/3^{rd}$ of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		D 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Groundilut	stage		
	Suge		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
77 (* 1.1	m:11 ·		seedlings.
Jhum field	Tillering		Manual weeding advocated
			Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
Finger millet	Sowing		• Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			 If already sown, maintain proper drainage
			VEGETABLES
Pre-summer	Seedling/	Aphids in	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
		crops/	• In cucurbitaceous crops like bottle gourd, cucumber, ridge
		Brinjal Shoot	gourd etc, earthing up to be done followed by manuring; and
		& Fruit borer	stacking should be followed and trained on a bower system
		cc i fuit boici	made of bamboo + sticks.
			 Dust ash powder in cucurbits
			Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HORT	
Ginger/Turmeric	Seedling		Proper drainage to be done and avoid water stagnation
8			Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
Citrus	Vegetative	Phytopththora	Affected leaves, branch should be pruned and burnt.
		disease/ Citrus	• Spray copper oxychloride 200 gm with streptocycline 6 gm
		canker	in 60 lits of water before onset of monsoon. Spray 3-4 times
			at interval of 30 days.
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
			acid (GA)Prepare half moon terraces in fruit crops
			• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
Orchards			Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low
	~ .		land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		• Should be sown in Primary nursery bed at 2cm deep and 10
			cm apart followed by mulching & regular light irrigation.
			The duration of primary nursery being 3-4 months. Hency Poor.
Honov hasa			Honey Bees
Honey bees			Provide sugar syrup near the box Add insulation and ventilation systems.
			Add insulation and ventilation systems I IVESTOCKS
			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.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water 	
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter 	
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 	
Mithun Contact Scient	tists (ICAR) or		 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: 48/2017/Fri Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Rainfall = NA (Deomali)	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 28-29°C and 22-26°C respectively. Expected morning and evening relative humidity will be 97-99% and 75-97%
	respectively. Wind direction is variable with speed range of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 16 th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed

			FIELD	CROPS
Soybean	Sowing		•	Sowing can be done
			•	If already sown, maintain proper drainage
Jhum field	Tillering		•	Manual weeding advocated
			•	Top dressing of urea one third of recommended dose can be
				carried out in upland/jhum rice
Rice	Nursery/transpl		•	Maintain periphery of nursery field weed free and clean to
	anting/Tillering			prevent disease and pest harboring in weeds.
	stage		•	Maintain proper drainage for nursery plot of rice.
				Seedling in lowland rice nursery may be carried out
			•	
3.6.	3.6.1.1.1		•	Right time for transplantation
Maize	Multiple stages		•	If bluish-green leaves are observed, apply SSP or DAP along
				with 2/3 rd of Urea to rejuvenate the plant from phosphorus
				deficiency
Groundnut	Vegetative		•	Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage			affect the pod formation adversely
			•	On sunny day spray triazophose@2ml/lit water in young
				seedlings.
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
				VR-708 can be carried out without delay.
			•	If already sown, maintain proper drainage
			VEGE'	TABLES
Pre-summer	Seedling/	Aphids in	·	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous		earthing up in vegetables.
		crops/		In cucurbitaceous crops like bottle gourd, cucumber, ridge
				gourd etc, earthing up to be done followed by manuring; and
		Brinjal Shoot		stacking should be followed and trained on a bower system
		& Fruit borer		made of bamboo + sticks.
			_	
			•	Dust ash powder in cucurbits
			•	Use pheromone traps/light traps against brinjal shoot and fruit
				borer.
			ICULI	TURAL CROPS
Citrus	Vegetative	Phytopththora	•	Prepare half moon terraces in fruit crops
		disease/ Citrus canker		(orange/banana/apple/peach) grown in steep slopes to prevent
Pineapple	Vegetative	Canker	•	nutrient loss during heavy downpour. Earthing-up and removal of excess suckers for better plant
Ппсарріс	Vegetative			establishment and anchorage.
Banana	Vegetative		•	Planting of banana making pit maintaining at a spacing of 2.5
Banana	Vegetative			X 2.5 meter plant to plant and row to row distance.
			•	Denavelling (removal of male bud) to improve bunch
				weight
			•	Bagging of bunches to protect against unusual rainfall.
Orchards			•	Prepare half moon terraces in fruit crops
				(orange/banana/apple/peach) grown in steep slopes to prevent
				nutrient loss during heavy downpour.
			•	Follow proper drainage and earthing up practices in low
Y G 1	g :			land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		•	Should be sown in Primary nursery bed at 2cm deep and 10
			_	cm apart followed by mulching & regular light irrigation.
			How	The duration of primary nursery being 3-4 months. EXECUTE: EXECUTE: EX
			•	Box must be covered with straw/dry leaves to provide
			I IX/IZ/	warmth
T	G4	D'	LIVE	STOCKS Description of the following descript
Livestock	Stage	Disease		Precautionary Practices to be followed
Pigs	All stages	FMD (high fever		eep the houses dry and clean.
		and appearance of mucous		injection at 6 months of age and 2 nd injection at 12 months of
		membrane of the		e followed by annual vaccination under vet supervision against
	<u>l</u>	10000)	- 100	adde concentrate diet up to 370
		mouth and foot.)		duce concentrate diet up to 5%

			Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
			Provide vitamin complex and glucose in water
			• Follow 'All in All out' system of rearing and do not rear birds
			different age groups together.
			Avoid overcrowding.
			Provide broad-spectrum antihelminthic drugs under v supervision and recommended doses.
			Provide adequate clean drinking water+electrolyte and mul vitamins
			 Vaccination as per the schedule with proper consultation with ver Day old chick: HVT Marek disease vaccine, 4-7 day
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl p
			vaccine and 56-70 days: RD R-2B strain.
			Remove wet litter
Cattle	All stages	FMD	Provide UMB/Molases if possible in the feed
Cattle	All stages	TWID	 Provide OMB/Molases it possible in the feed Provide 10-30 ml of vitamin B-Complex in feed
			• 1st injection at 6-8 weeks of age, 2 nd injection after 6 months of
			injection followed by annual vaccination under vet supervision
			Separate sick animals
			The animal should be washed with lukewarm water added w
			little potash (KMnO ₄) or neem leaves
			• Long hair near the udder/stomach/back legs should be team
			short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
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

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: 48/2017/Fri Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall = NA (Tuting)	Generally partly cloudy with possibility of moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 22-25°C and 17-20°C respectively. Expected
	morning and evening relative humidity will be 88-92% and 59-74%
	respectively. Wind direction is variable with speed range of 2-3
	kmph.
Warning:	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		I	FIELD CROPS
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Rice	Nursery/transpl anting/Tillering		Maintain periphery of nursery field weed free and clean to
	stage		prevent disease and pest harboring in weeds.
	stage		Maintain proper drainage for nursery plot of rice.
			Seedling in lowland rice nursery may be carried out
3.6 :	36.1.1		Right time for transplantation
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
Carren dans	XV		deficiency
Groundnut	Vegetative stage		Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
71 C' 11	TP:11 :		seedlings.
Jhum field	Tillering		Manual weeding advocated The state of
			Top dressing of urea one third of recommended dose can be
T' '11 4	G :		carried out in upland/jhum rice
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 & VD 708 and be applied out without delayer. A position of the second of t
			VR-708 can be carried out without delay.
			If already sown, maintain proper drainage VECETA DI ES
Pre-summer	Seedling/	Aphids in	 VEGETABLES Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
	l segument	crops/	 In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
		Brinjal Shoot	stacking should be followed and trained on a bower system
		& Fruit borer	made of bamboo + sticks.
			Dust ash powder in cucurbits
			 Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HORT	FICULTURAL CROPS
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
Ginger/Turmeric	Seedling		Proper drainage to be done and avoid water stagnation
			Earthing up of ginger/turmeric along with basal application of
C:	Was addissa	D1	required fertilizer should be done
Citrus	Vegetative	Phytopththora disease/ Citrus	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm
		canker	in 60 lits of water before onset of monsoon. Spray 3-4 times
			at interval of 30 days. (Use stickers)
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
			acid (GA) (use stickers)
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5
			X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weight
Ough - :: 4			Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
		•	nutrient loss during heavy downpour.
			indifficitioss during fleavy downpour.
			 Follow proper drainage and earthing up practices in low
			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees
Honey bees			 Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Box must be covered with straw/dry leaves to provide
Honey bees			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees

			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.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
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.
anta at Caion	tists (ICAD) or	State Agril Staff	• Pregnant animals above / months of pregnancy should be avoided. For KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

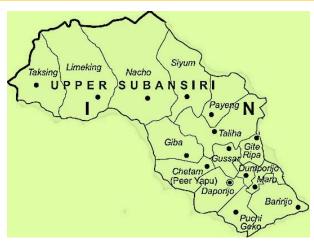


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Rainfall = NA (Puchi Geko); Daporijo: 33.0	Mostly cloudy with possibility of light/moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 23-25°C and 16-19°C respectively. Expected
	morning and evening relative humidity will be 95-96% and 74-89%
	respectively. Expected wind direction variable with speed range of 2
	kmph.
Warning	Heavy to very heavy rainfall likely on 16 th June

Weather Based Agro-meteorological Advisories Bulletin

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

Stage	Pest/Disease		Precautionary Practices to be followed
		FIELD	CROPS
Nursery/transpl		•	Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
stage		•	Maintain proper drainage for nursery plot of rice.
		•	Seedling in lowland rice nursery may be carried out
		•	Right time for transplantation
Multiple stages		•	If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Vegetative		•	Do not disturb the soil after 40-45 DAS of groundnut, it will
stage			affect the pod formation adversely
		•	On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Tillering		•	Manual weeding advocated
		•	Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
		•	If already sown, maintain proper drainage
Sowing		•	Sowing can be done
		•	If already sown, maintain proper drainage
		VEGE'	FABLES
Seedling/			Provision of drainage to remove excess water followed by
•			earthing up in vegetables.
			In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
		_	
		•	Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
	HORT	ICULI	
Vegetative		•	Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
Vegetative	Phytopththora	•	Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
***	canker		nutrient loss during heavy downpour.
vegetative		•	Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weight
		•	Bagging of bunches to protect against unusual rainfall.
		•	Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow manner dusinger and conthing our massines in law
		•	Follow proper drainage and earthing up practices in low
		•	land/plain areas to avoid water stagnation in fruit orchards
			land/plain areas to avoid water stagnation in fruit orchards y Bees
		Hone	land/plain areas to avoid water stagnation in fruit orchards ey Bees Provide sugar syrup near the box
		•	land/plain areas to avoid water stagnation in fruit orchards ey Bees Provide sugar syrup near the box Add insulation and ventilation systems
Stago		•	land/plain areas to avoid water stagnation in fruit orchards y Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS
Stage Fingerlings	Disease	LIVES	land/plain areas to avoid water stagnation in fruit orchards y Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed
Stage Fingerlings		LIVES	land/plain areas to avoid water stagnation in fruit orchards y Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed oadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
Fingerlings	Disease	LIVES	land/plain areas to avoid water stagnation in fruit orchards By Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed oadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice ily advocated for healthy fingerlings
	Disease FMD (high fever	• Br da • Ke	land/plain areas to avoid water stagnation in fruit orchards y Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed oadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice ily advocated for healthy fingerlings ep the houses dry and clean.
Fingerlings	Disease	• Br da • Ke • 1st	land/plain areas to avoid water stagnation in fruit orchards y Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed oadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice ily advocated for healthy fingerlings ep the houses dry and clean. injection at 6 months of age and 2 nd injection at 12 months of
Fingerlings	Pisease FMD (high fever and appearance of mucous membrane of the	• Br da • Ke • 1st age FM	land/plain areas to avoid water stagnation in fruit orchards By Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed oadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice ily advocated for healthy fingerlings ep the houses dry and clean. injection at 6 months of age and 2 nd injection at 12 months of e followed by annual vaccination under vet supervision against
Fingerlings	Disease FMD (high fever and appearance of mucous	• Br da • Ke • 1 st age	land/plain areas to avoid water stagnation in fruit orchards By Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed oadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice ily advocated for healthy fingerlings ep the houses dry and clean. injection at 6 months of age and 2 nd injection at 12 months of e followed by annual vaccination under vet supervision against
	anting/Tillering stage Multiple stages Vegetative stage Tillering Sowing Sowing Seedling/vegetative Vegetative	anting/Tillering stages Multiple stages Vegetative stage Tillering Sowing Sowing Seedling/ vegetative HORT Vegetative Vegetative Phytopththora disease/ Citrus canker	anting/Tillering stage Multiple stages Vegetative stage Tillering Sowing Sowing VEGE Seedling/ vegetative HORTICULI Vegetative Phytopththora disease/ Citrus canker Vegetative

Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Kameng

No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall = Bomdila: NA; Bhalukpong: 9.4	Mostly cloudy with possibility of moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 20-22°C and 13-15°C respectively. Expected
	morning and evening relative humidity will be 92-97% and 63-82%
	respectively. Wind direction is variable with speed range of 2-5
	kmph.
Warning:	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along with 2/3 rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		 Sowing can be done If already sown, maintain proper drainage
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma visitidital WR @ 10 g/kg seed.
		TTO DE	viridi1% WP @ 10g/kg seed.
Dinaganla	Magatating	HORT	ICULTURAL CROPS
Pineapple	Vegetative		 Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
			Honey Bees
Honey bees			 Provide sugar syrup near the box Add insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against

		mouth and foot.)	FMD		
		,	• Reduce concentrate diet up to 5%		
			Provide adequate potable water		
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. 		
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 		
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Siang

No: 48/2017/Fri

Dated: 16th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 21 st June 2017		
Basar: Rainfall = 32.8 mm. T. Max: 25.8°C,	Mostly cloudy with possibility of moderate rainfall. Daily		
T. Min: 20.8°C, RH: 87-92%, Wind Speed:	maximum and minimum temperature for the following period is		
3-4 kmph, Wind Direction: SW & WSW	predicted to be 27-29°C and 21-23°C respectively. Expected		
Along: 2.0	morning and evening relative humidity will be 95-96% and 74-90%		
	respectively. Wind direction is variable with speed range of 2 kmph.		
Warning:	Heavy to very heavy rainfall likely on 16 th June		

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out
Maize	Multiple stages		 Right time for transplantation If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young
Jhum field	Tillering		 seedlings. Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Soybean	Sowing		 Sowing can be done If already sown, maintain proper drainage
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	ICULTURAL CROPS
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. (Use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (Use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
**		I	Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth

			Provide sugar syrup			
LIVESTOCKS						
Livestock	Stage	Disease	Precautionary Practices to be followed			
Fishery	Fingerlings		• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings			
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision agains FMD			
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vesupervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days F/Lasota, 6-7 weeks: Chicken embryo adopted fowl powaccine and 56-70 days: RD R-2B strain. Remove wet litter 			
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1 injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamer short. 			
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 month of age and repeat after that 6 months interval by sub-cutaneou route. Pregnant animals above 7 months of pregnancy should be avoided 			
Contact 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: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

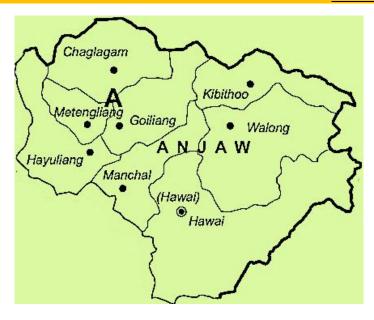


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 48/2017/Fri

Dated: 16th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
No weather summary available	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-30°C and 18-22°C respectively. Expected
	morning and evening relative humidity will be 94-97% and 54-66%
	respectively. Wind direction is mainly E at a speed range of 3-4
	kmph.
Warning:	Heavy to very heavy rainfall likely on 16 th June

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		 Maintain proper drainage for nursery plot of rice.
			 Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 &
	C		VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
Jhum field	Tillering		Manual weeding advocated
	11110111119		Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			VEGETABLES
Pre-summer	Seedling/	Aphids in	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
		crops/	In cucurbitaceous crops like bottle gourd, cucumber, ridge
		D :: : : 1 Cl 4	gourd etc, earthing up to be done followed by manuring; and
		Brinjal Shoot & Fruit borer	stacking should be followed and trained on a bower system
		& Pluit boier	made of bamboo + sticks.
			Dust ash powder in cucurbits
			 Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HOR	FICULTURAL CROPS
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
	-		establishment and anchorage.
Orchards	Multiple stages		• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low land/alain areas to avaid water stagnation in fault archards.
Banana	Vegetative		 land/plain areas to avoid water stagnation in fruit orchards Planting of banana making pit maintaining at a spacing of 2.5
Bununu	v egetative		X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weight
			Bagging of bunches to protect against unusual rainfall.
Citrus	Vegetative	Phytopththora	 Affected leaves, branch should be pruned and burnt
		disease/ Citrus	• Prepare half moon terraces in fruit crops
		canker	(orange/banana/apple/peach) grown in steep slopes to prevent
Lorgo Condones	Convinc/		nutrient loss during heavy downpour.
Large Cardamom	Sowing/ germination		• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
	501111111111011		 The duration of primary nursery being 3-4 months.
			 Provide adequate drainage
Ginger/Turmeric	Seedling		Proper drainage to be done and avoid water stagnation
			• Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings

Pigs	All stages	of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages		 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
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 from vaccination.

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

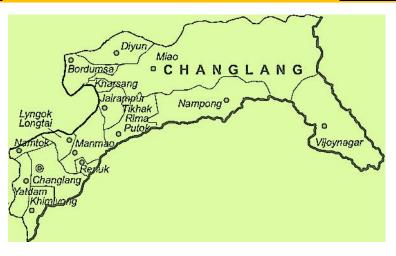


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 48/2017/Fri

Dated: 16th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall = Changlang: 3.8 mm Miao: 11.8	Mostly cloudy with possibility of moderate/rather heavy rainfall.
mm	Daily maximum and minimum temperature for the following period
	is predicted to be 25-28°C and 19-23°C respectively. Expected
	morning and evening relative humidity will be 96-99% and 71-86%
	respectively. Wind direction is mainly E with speed range of 2-4
	kmph.
Warning	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along with 2/3 rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		Sowing can be doneIf already sown, maintain proper drainage
Jhum field	Tillering		Manual weeding advocated
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	TCULTURAL CROPS
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days on clear day or using stickers. To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) using stickers Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Honory Is a			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth

			 Provide sugar syrup 		
LIVESTOCKS					
Livestock	Stage	Disease	Precautionary Practices to be followed		
Pigs	All stages	and appearance of mucous membrane of the	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months age followed by annual vaccination under vet supervision again FMD Reduce concentrate diet up to 5% Provide adequate potable water 		
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under v supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet ➤ Day old chick: HVT Marek disease vaccine, 4-7 day F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day F/Lasota, 6-7 weeks: Chicken embryo adopted fowl povaccine and 56-70 days: RD R-2B strain. 		
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added will little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed 		
Fishery	Fingerlings		 short. Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings 		

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

Dated: 16th June, 2017

No: 48/2017/Fri



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

Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Rainfall = 1.0 (Anini)	Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-26°C and 15-18°C respectively. Expected morning and evening relative humidity will be 91-96% and 52-82% respectively. Wind direction is mainly E & ESE with speed range of 2-5 kmph.
Warning:	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	EIELD	Precautionary Practices to be followed
Soybean	Sowing			CROPS Sorving can be done
Soybean	Sowing		•	Sowing can be done
Rice	Numa amu/tmamaml		•	If already sown, maintain proper drainage
Rice	Nursery/transpl anting/Tillering		•	Maintain periphery of nursery field weed free and clean to
	stage			prevent disease and pest harboring in weeds.
			•	Maintain proper drainage for nursery plot of rice.
			•	Seedling in lowland rice nursery may be carried out
Maine	Multiple stores		•	Right time for transplantation
Maize	Multiple stages		•	If bluish-green leaves are observed, apply SSP or DAP along
				with 2/3 rd of Urea to rejuvenate the plant from phosphorus
C 1 .	77			deficiency
Groundnut	Vegetative stage		•	Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage			affect the pod formation adversely
			•	On sunny day spray triazophose@2ml/lit water in young
77 07 11				seedlings.
Jhum field	Tillering		•	Manual weeding advocated
			•	Top dressing of urea one third of recommended dose can be
				carried out in upland/jhum rice
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
				VR-708 can be carried out without delay.
			•	If already sown, maintain proper drainage
_	T = 444		VEGE	TABLES
Pre-summer	Seedling/	Aphids in	•	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous crops/		earthing up in vegetables.
		Сгорь/	•	In cucurbitaceous crops like bottle gourd, cucumber, ridge
		Brinjal Shoot		gourd etc, earthing up to be done followed by manuring; and
		& Fruit borer		stacking should be followed and trained on a bower system
				made of bamboo + sticks.
			•	Dust ash powder in cucurbits
			•	Use pheromone traps/light traps against brinjal shoot and fruit
				borer.
=10			FICULT	TURAL CROPS
Citrus	Vegetative	Phytopththora	•	Affected leaves, branch should be pruned and burnt.
		disease/ Citrus canker	•	Spray copper oxychloride 200 gm with streptocycline 6 gm
		cance		in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days using stickers if rains
			•	To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
				acid (GA) using stickers during rain
			•	Prepare half moon terraces in fruit crops
				(orange/banana/apple/peach) grown in steep slopes to prevent
D' 1	**			nutrient loss during heavy downpour.
Pineapple	Vegetative		•	Earthing-up and removal of excess suckers for better plant
Cin con/Tyumania	Coodling		_	establishment and anchorage.
Ginger/Turmeric	Seedling		•	Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of
				required fertilizer should be done
Banana	Vegetative		•	Planting of banana making pit maintaining at a spacing of 2.5
	5			X 2.5 meter plant to plant and row to row distance.
			•	Denavelling (removal of male bud) to improve bunch
				weight
			•	Bagging of bunches to protect against unusual rainfall.
Orchards			•	Prepare half moon terraces in fruit crops
				(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			•	Follow proper drainage and earthing up practices in low
				land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		•	Should be sown in Primary nursery bed at 2cm deep and 10
				cm apart followed by mulching & regular light irrigation.
			•	The duration of primary nursery being 3-4 months.
Apple	Vegetative	Wooly aphids	•	Swab the stem with mineral oil against wooly aphid.
L	1	I	1	

Honey Bees			
Ioney bees			In case of rain provide sugar syrup
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.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
-			daily advocated for healthy fingerlings
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247			

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: 48/2017/Fri Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Rainfall = 7.8 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-24°C and 15-16°C respectively. Expected morning and evening relative humidity will be 93-98% and 65-91% respectively. Expected wind direction is mainly ENE with speed range of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along with 2/3 rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		Sowing can be doneIf already sown, maintain proper drainage
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	TCULTURAL CROPS
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days using stickers To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) using stickers Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.

			Agroforestry
ko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Fishery			• Best time to prepare the culture pond like cleaning aquatic weeds
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months age followed by annual vaccination under vet supervision again FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under visupervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet ▶ Day old chick: HVT Marek disease vaccine, 4-7 day F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day F/Lasota, 6-7 weeks: Chicken embryo adopted fowl povaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added will little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamer short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 month of age and repeat after that 6 months interval by sub-cutaneo route. Pregnant animals above 7 months of pregnancy should be avoided

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Agrometeorological Field Unit ICAR. BASAR

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: 48/2017/Fri

Dated: 16th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall: 33.2 mm; T. Max: 31.0°C; T. Min:	Mostly cloudy with possibility of moderate to rather heavy
24.0°C; RH: 87-98%	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 28-33°C and 23-25°C
	respectively. Expected morning and evening relative humidity will
	be 93-96% and 69-91% respectively. Expected wind direction is
	mainly NE with speed range of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
D.	NY // 1		FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
Maize	Multiple stages		 Right time for transplantation If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		Sowing can be done
Finger millet	Sowing		 If already sown, maintain proper drainage Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Soybean	Sowing		 Avoid sowing If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		<u> </u>	ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to preven nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
	<u> </u>	<u> </u>	Honey Bees
Honey bees			On prolong rain, provide sugar syrup
*	G:	7.1	LIVESTOCKS
Livestock Pigs	Stage All stages	Disease FMD (high fever	Precautionary Practices to be followed Keep the houses dry and clean.

Poultry	All stages	of mucous membrane of the mouth and foot.)	 Provide adequate potable water Proper ventilation of shed 		
			 Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. 		
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 		
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings		
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

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Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Kurung Kumey

No: 48/2017/Fri

Dated: 16th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 21 st June 2017
Past weather summary not available	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 28-31°C and 20-22°C respectively. Expected
	morning and evening relative humidity will be 91-92% and 73-80%
	respectively. Wind direction is variable with speed range of 2-3
	kmph.
Warning	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out
Maize	Multiple stages		 Right time for transplantation If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		 Sowing can be done If already sown, maintain proper drainage
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
Pea	Seedling		Provide proper drainage to already sown crops
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	TICULTURAL CROPS
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Apply Bordeaux paste on the tree trunks Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees
			Box must be covered with straw/dry leaves to provide
			warmth

LIVESTOCKS					
Livestock	Stage	Disease		Precautionary Practices to be followed	
Fishery	Fingerlings		•	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice	
				daily advocated for healthy fingerlings	
Pigs	All stages	FMD (high fever	•	Keep the houses dry and clean.	
		and appearance	•	1 st injection at 6 months of age and 2 nd injection at 12 months of	
		of mucous membrane of the		age followed by annual vaccination under vet supervision against	
		mouth and foot.)	•	FMD Reduce concentrate diet up to 5%	
			•	Provide adequate potable water	
Poultry	All stages		•	Proper ventilation of shed	
J			•	Provide vitamin complex and glucose in water	
			•	Follow 'All in All out' system of rearing and do not rear birds of	
				different age groups together. Avoid overcrowding.	
			•	Provide broad-spectrum antihelminthic drugs under vet	
				supervision and recommended doses.	
			•	Provide adequate clean drinking water+electrolyte and multi-	
				vitamins	
			•	Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days:	
				F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days:	
				F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox	
				vaccine and 56-70 days: RD R-2B strain.	
			•	Remove wet litter	
Cattle	All stages	FMD	•	Provide UMB/Molases if possible in the feed	
			•	Provide 10-30 ml of vitamin B-Complex in feed	
			•	1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st	
				injection followed by annual vaccination under vet supervision	
			•	Separate sick animals The onimal should be weeked with lukeweem water added with	
			•	The animal should be washed with lukewarm water added with little potash (KMnO ₄) or neem leaves	
			•	Long hair near the udder/stomach/back legs should be teamed short.	
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.	

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at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 17th to 20th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

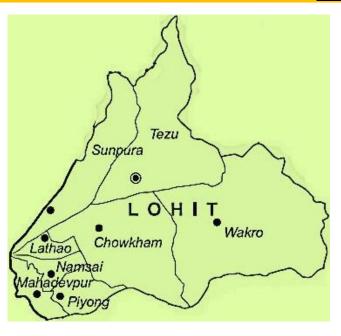


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No No: 48/2017/Fri

Dated: 16th June, 2017



Weather summery of the previous week	Weather forecast valid up to 21st June 2017
Rainfall = 17.4 mm (Tezu)	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the following
	period is predicted to be 22-24°C and 17-21°C respectively. Expected
	morning and evening relative humidity will be 95-98% and 63-77%
	respectively. Wind direction is mainly E with speed range of 2-3
	kmph.
Warning:	Heavy to very heavy rainfall likely on 16th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Cardana	Cin-		FIELD CROPS
Soybean	Sowing		Sowing can be done
<u> </u>			If already sown, maintain proper drainage
Rice	Nursery/transpl		Maintain periphery of nursery field weed free and clean to
	anting/Tillering stage		prevent disease and pest harboring in weeds.
	stage		Maintain proper drainage for nursery plot of rice.
			Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Jhum field	Tillering		Manual weeding advocated
			Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
Finger millet	Sowing		• Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
	1		VEGETABLES
Pre-summer	Seedling/	Aphids in	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
		crops/	• In cucurbitaceous crops like bottle gourd, cucumber, ridge
		Brinjal Shoot	gourd etc, earthing up to be done followed by manuring; and
		& Fruit borer	stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			Dust ash powder in cucurbits
			Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
~.	1		TICULTURAL CROPS
Citrus	Vegetative	Phytopththora disease/ Citrus	Affected leaves, branch should be pruned and burnt. Output Description:
		canker	• Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times
		cunker	at interval of 30 days using stickers
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
			acid (GA) using stickers
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
Dingannla	Vagatativa		nutrient loss during heavy downpour.
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		Proper drainage to be done and avoid water stagnation
Ginger/Turmerie	Beeding		Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5
			X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weight
Orchards			 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops
Orcharus			• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
		1	nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
Large Cardamom	Sowing		 Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10
Large Cardamom	Sowing		 Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Large Cardamom	Sowing		 Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10

Honey bees			Provide sugar syrup near the boxAdd insulation and ventilation systems
]	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves
			• Long hair near the udder/stomach/back legs should be teamed short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
Contact Scien	tists (ICAR) or	State Agril Staff	daily advocated for healthy fingerlings or KVK staff for measures against adverse conditions or call

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at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR