Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = 216.0 mm (Roing)	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 23-24°C and 18-19°C respectively. Expected morning
	and evening relative humidity will be 92-94% and 61-70%
	respectively. Wind direction is mainly E & ENE with speed range of
	2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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.
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	TICULTURAL CROPS
Citrus	Vegetative/ Seedling	Phytopththora disease/ Citrus canker	 Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. 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	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			

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd June 2017)

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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: Lower Subansiri

No: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th 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 26-27°C and 18-20°C respectively. Expected
	morning and evening relative humidity will be 95-97% and 75-87%
	respectively. Wind direction is mainly E and ENE with speed range
	of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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
			FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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.
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
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.
			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		• 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/ Seedling	Phytopththora disease/ Citrus canker	 Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. 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 Scie	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247					

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

Agrometeorological Field Unit ICAR, BASAR

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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: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall: 128.6 mm; T. Max: 33.0°C; T. Min: 22.0°C; RH: 82-98%	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 29-30°C and 22-23°C respectively. Expected morning and evening relative humidity will be 93-95% and 69-81% respectively. Expected wind direction is mainly E and ENE with speed range of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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
			FIELD CROPS
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Rice	Nursery/transpl		 Need-based application of carbendazim@2gm/lit with
	anting/Tillering		sticker @2ml/lit to protect seedling from diseases
	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		• 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 &
	e		VR-708 can be carried out without delay.
			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
		& Truit boiler	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	Optimum time for orange seedling following half moon
	Seedling	disease/ Citrus	terraces on hills maintaining a spacing of 5 m from pit to
		canker	pit.
			 Affected leaves, branch should be pruned and burnt. 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.
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 The state of the state
Orchards			required fertilizer should be done • Prepare half moon terraces in fruit crops
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
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.
		i	 Denavelling (removal of male bud) to improve bunch
			weight
Large Cardamom	Sowing		weightBagging of bunches to protect against unusual rainfall.
Large Cardamom	Sowing		 weight Bagging of bunches to protect against unusual rainfall. Should be sown in Primary nursery bed at 2cm deep and 10
Large Cardamom	Sowing		weightBagging of bunches to protect against unusual rainfall.
Large Cardamom	Sowing		 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.
Large Cardamom Honey bees	Sowing		 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 being 3-4 months.
	Sowing		 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 being 3-4 months. Honey Bees
	Sowing		 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 being 3-4 months. Honey Bees Box must be covered with straw/dry leaves to provide

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) av	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

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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: Tawang

No: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = 34.0 mm	Mostly cloudy with possibility of light/moderate rainfall,. Daily
	maximum and minimum temperature for the following period is
	predicted to be 17-19°C and 12-13°C respectively. Expected
	morning and evening relative humidity will be 90-92% and 70-86%
	respectively. Wind direction is mainly SE and SSE with probable
	speed range of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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
Carriegas	Corrier			O CROPS
Soybean	Sowing		•	Sowing can be done
7.			•	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
	C		•	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 &
8	2 2 22.28			VR-708 can be carried out without delay.
				If already sown, maintain proper drainage
			VECE'	TABLES
Pre-summer	Seedling/	Aphids in	•	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous		earthing up in vegetables.
	C	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	TCIII 1	TURAL CROPS
Citrus	Vegetative/	Phytopththora	ICULI	Optimum time for orange seedling following half moon
Citius	Seedling	disease/ Citrus		terraces on hills maintaining a spacing of 5 m from pit to
	\mathcal{C}			
		canker		~ · · · · · · · · · · · · · · · · · · ·
		canker	•	pit. Affected leaves, branch should be pruned and burnt.
		canker	•	pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops
		canker	•	pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
G: T	G 11:	canker	•	pit. Affected leaves, branch should be pruned and burnt. 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	canker	•	pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation
Ginger/Turmeric	Seedling	canker	•	pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of
-	C	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Ginger/Turmeric Pineapple	Seedling Vegetative	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant
Pineapple	C	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage.
-	C	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. Prepare half moon terraces in fruit crops
Pineapple	C	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Pineapple	C	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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
Pineapple Orchards	Vegetative	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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
Pineapple	C	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 Should be sown in Primary nursery bed at 2cm deep and 10
Pineapple Orchards	Vegetative	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Pineapple Orchards	Vegetative	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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.
Pineapple Orchards Large Cardamom	Vegetative	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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.
Pineapple Orchards	Vegetative	canker	•	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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.
Pineapple Orchards Large Cardamom	Vegetative	canker	Hone	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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. Ey Bees Provide sugar syrup near the box Add insulation and ventilation systems
Pineapple Orchards Large Cardamom Honey bees	Vegetative		Hone	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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. Ey Bees Provide sugar syrup near the box Add insulation and ventilation systems
Pineapple Orchards Large Cardamom Honey bees Livestock	Vegetative Sowing Stage	Disease	Hone	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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. Ey Bees Provide sugar syrup near the box Add insulation and ventilation systems STOCKS Precautionary Practices to be followed
Pineapple Orchards Large Cardamom Honey bees	Vegetative		Hone LIVES	Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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 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. Ey Bees Provide sugar syrup near the box Add insulation and ventilation systems

			 age followed by annual vaccination under vet supervision agains 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 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.
Cattle	All stages	E) (D	 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.

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

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th 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 28-30°C and 22-23°C respectively. Expected
	morning and evening relative humidity will be 97-99% and 79-84%
	respectively. Wind direction is mainly SSE and S with speed range
	of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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 foll	owed
C 1	g :		ELD CROPS	
Soybean	Sowing		Sowing can be done	
71 C' 11	m:11 ·		If already sown, maintain proper drainage	<u>je</u>
Jhum field	Tillering		 Manual weeding advocated 	
			Top dressing of urea one third of recomm	ended dose can be
			carried out in upland/jhum rice	
Rice	Nursery/transpl		 Need-based application of carbendazi 	m@2gm/lit with
	anting/Tillering		sticker @2ml/lit to protect seedling fr	om diseases
	stage		Maintain periphery of nursery field weed	free and clean to
			prevent disease and pest harboring in we	eds.
			Maintain proper drainage for nursery plot of	rice.
			 Seedling in lowland rice nursery may be car 	ried out
			Right time for transplantation	
Maize	Multiple stages		• If bluish-green leaves are observed, apply	SSP or DAP along
Willie	wantipie stages		with $2/3^{rd}$ of Urea to rejuvenate the plant	
			deficiency	, from phosphorus
Groundnut	Vegetative			Camarindarit it will
Groundilut	stage			groundhut, it will
	Singe		affect the pod formation adversely	:
			On sunny day spray triazophose@2ml/l	it water in young
Tr. '11 .	G :		seedlings.	
Finger millet	Sowing		Sowing of short duration finger millet varie	ties like VL-324 &
			VR-708 can be carried out without delay.	
			 If already sown, maintain proper drain 	ıage
			GETABLES	
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 of	n a bower system
			made of bamboo + sticks.	
			 Dust ash powder in cucurbits 	
			• Use pheromone traps/light traps against bri	njal shoot and fruit
			borer.	
		HORT	ULTURAL CROPS	
Citrus	Vegetative/	Phytopththora	Optimum time for orange seedling foll	owing half moon
	Seedling	disease/ Citrus	terraces on hills maintaining a spacing of	
		canker	pit.	
			 Affected leaves, branch should be pruned an 	
			• Prepare half moon terraces in	
			(orange/banana/apple/peach) grown in stee	slopes to prevent
Dingannla	Vegetative		nutrient loss during heavy downpour.	ua fan hattan mlant
Pineapple	vegetative		 Earthing-up and removal of excess sucke establishment and anchorage. 	rs for detter plant
Banana	Vegetative		-	ot a specing of 2.5
Danana	vegetative		 Planting of banana making pit maintaining a X 2.5 meter plant to plant and row to row di 	
			 Denavelling (removal of male bud) to imp 	
			weight	_ 5,5 Sundi
			Bagging of bunches to protect against unit	usual rainfall.
Orchards			Prepare half moon terraces in	
			(orange/banana/apple/peach) grown in steep	
			nutrient loss during heavy downpour.	
			• Follow proper drainage and earthing up	_
Longe Coul-	0		land/plain areas to avoid water stagnation in	
Large Cardamom	Sowing		Should be sown in Primary nursery bed at am apart followed by mylebing or regular li-	•
			cm apart followed by mulching & regular li	-
		<u> </u>	• The duration of primary nursery being 3-4 r Honey Bees	TOHUIS.
				you to marrida
			 Box must be covered with straw/dry leav warmth 	res to provide

			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
Mithun		FMD	 daily advocated for healthy fingerlings 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

Agrometeorological Field Unit ICAR. BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = NA (Tuting)	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 20-22°C respectively. Expected
	morning and evening relative humidity will be 85-91% and 61-71%
	respectively. Wind direction is mainly SSW & SW with speed range
	of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 24th 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
			FIELD CROPS
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Rice	Nursery/transpl		 Need-based application of carbendazim@2gm/lit with
	anting/Tillering		sticker @2ml/lit to protect seedling from diseases
	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		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
			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
			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
		& Fluit boiler	made of bamboo + sticks.
			Dust ash powder in cucurbits
			 Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HORT	TICULTURAL CROPS
Pineapple	Vegetative	110111	Earthing-up and removal of excess suckers for better plant
11			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	Optimum time for orange seedling following half moon
	Seedling	disease/ Citrus	terraces on hills maintaining a spacing of 5 m from pit to
		canker	pit. • Afforded leaves, branch should be pruned and burnt
			 Affected leaves, branch should be pruned and burnt. 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 Pagging of hypothes to protect against unusual painfall
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
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide
Tioney bees			warmth

			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 Scien	ntists (ICAR) or		f or KVK staff for measures against adverse conditions or call 3795-226237/226247

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = NA (Puchi Geko); Daporijo: 41.0	Mostly cloudy with possibility of light/moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 17-18°C respectively. Expected
	morning and evening relative humidity will be 95-97% and 75-90%
	respectively. Expected wind direction is mainly SE and ESE with
	speed range of 2 kmph.
Warning	Heavy to very heavy rainfall likely on 24 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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl		 Need-based application of carbendazim@2gm/lit with
	anting/Tillering		sticker @2ml/lit to protect seedling from diseases
	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
THAILE .	Transpie stages		with $2/3^{rd}$ of Urea to rejuvenate the plant from phosphorus
Groundnut	Vacatatina		deficiency
Groundhut	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 &
i inger minet	bowing		VR-708 can be carried out without delay.
			· ·
			If already sown, maintain proper drainage
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
			VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		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.
			CICULTURAL CROPS
Citrus	Vegetative/	Phytopththora	Optimum time for orange seedling following half moon
	Seedling	disease/ Citrus	terraces on hills maintaining a spacing of 5 m from pit to
		canker	pit.
			Affected leaves, branch should be pruned and burnt.
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
D:1.	VI1-1:		nutrient loss during heavy downpour.
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
<u> </u>	***		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
Onoh and -			Bagging of bunches to protect against unusual rainfall. But the second of the se
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			
Tioney Dees			Provide sugar syrup near the boxAdd insulation and ventilation systems
T	- Ct	D'	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.)	 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	FMD State Agril Staff	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. Tor KVK staff for measures against adverse conditions or call
		_	3795-226237/226247

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = Bomdila: NA; Bhalukpong: 56.8	Mostly cloudy with possibility of light to rather heavy rainfall.
mm	Daily maximum and minimum temperature for the following period
	is predicted to be 20-22°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 91-94% and 69-87%
	respectively. Wind direction is mainly ENE and E with speed range
	of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 24th 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. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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.
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
	1		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 viridi1% WP @ 10g/kg seed.
		HORT	TICULTURAL CROPS
Citrus	Vegetative/ Seedling	Phytopththora disease/ Citrus canker	 Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. 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
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
			Honey Bees
Honey bees			Provide sugar syrup near the boxAdd 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 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 pow 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.

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th 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 25 th June 2017
Basar: Rainfall = 62.0 mm. T. Max: 27.0°C,	Mostly cloudy with possibility of moderate rainfall. Daily
T. Min: 20.3°C, RH: 76-93%, Wind Speed:	maximum and minimum temperature for the following period is
3-4 kmph, Wind Direction: NE and ENE	predicted to be 28-29°C and 22-23°C respectively. Expected
Along: 2.0	morning and evening relative humidity will be 94-96% and 78-87%
	respectively. Wind direction is mainly SSW & SW with speed range
	of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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		 Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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
Groundnut	Vacatativa		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.
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/	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge
		Brinjal Shoot & Fruit borer	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.
			ICULTURAL CROPS
Citrus	Vegetative/ Seedling	Phytopththora disease/ Citrus canker	 Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. 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.
			Honey Bees

oney 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.)	 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. 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 with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed
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-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided or KVK staff for measures against adverse conditions or cal

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 21st to 23rd June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

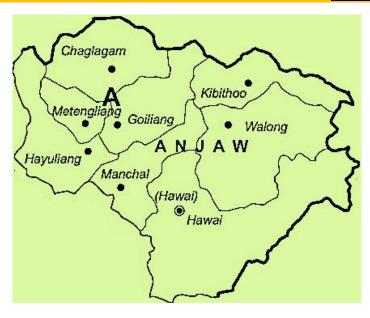


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 49/2017/Tue

Dated: 20th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
No weather summary available	Variable weather with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 17-18°C respectively. Expected
	morning and evening relative humidity will be 94-95% and 59-65%
	respectively. Wind direction is mainly E at a speed range of 4 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 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
Crop	Diage	1 Cou Discust	FIELD CROPS
Rice	Nursery/transpl		
Rice	anting/Tillering stage		 Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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		 Delay sowing 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
Jhum field	Tillering		 Manual weeding advocated Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
		ı	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.
		HOR	FICULTURAL CROPS
Pineapple	Vegetative	11010	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.
Citrus	Vegetative/ Seedling	Phytopththora disease/ Citrus canker	 Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent 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. 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	Discase	
			• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice

			daily advocated for healthy fingerlings
Pigs	All stages	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 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 Scienti	sts (ICAR) or St		 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. XVK staff for measures against adverse conditions or call at 03795-
			226237/226247

Agro-met Advisory Bulletin

(Period: 21st to 23rd June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

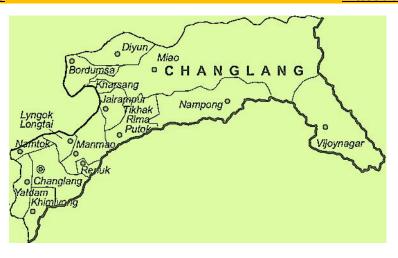


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 49/2017/Tue

Dated: 20th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = Changlang: 7.2 mm Miao: 78.8	Mostly cloudy with possibility of moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is predicted to be 25-26°C and 17-18°C respectively. Expected morning and evening relative humidity will be 95-96% and 76-84% respectively. Wind direction is mainly E with speed range of 2-4
	kmph.
Warning	Heavy to very heavy rainfall likely on 24th 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		 Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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
		<u> </u>	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/ Seedling	Phytopththora disease/ Citrus canker	 Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. 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.
***			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 	

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

at 03795-226237/226247

Agrometeorological Field Unit ICAR. BASAR

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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

No: 49/2017/Tue

Dated: 20th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = 32.0 (Anini)	Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-22°C and 15-16°C respectively. Expected morning and evening relative humidity will be 94-96% and 58-63% respectively. Wind direction is mainly E & ESE with speed range of 3-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 24th 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		Precautionary Practices to be followed
			FIELD	CROPS
Soybean	Sowing		•	Sowing can be done
			•	If already sown, maintain proper drainage
Rice	Nursery/transpl		•	Need-based application of carbendazim@2gm/lit with
	anting/Tillering stage			sticker @2ml/lit to protect seedling from diseases
	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
) / ·	N 6 10 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
Groundnut	Vagatativa			deficiency De not disput the soil often 40.45 DAS of groundout it will
Groundhut	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 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
_			VEGE'	TABLES
Pre-summer	Seedling/	Aphids in	•	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous crops/		earthing up in vegetables.
		СГОРЗ/	•	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.
		HOR	FICUL 7	TURAL CROPS
Citrus	Vegetative/	Phytopththora	•	Optimum time for orange seedling following half moon
	Seedling	disease/ Citrus canker		terraces on hills maintaining a spacing of 5 m from pit to pit.
			•	Affected leaves, branch should be pruned and burnt.
			•	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.
Ginger/Turmeric	Seedling		•	Proper drainage to be done and avoid water stagnation
Singol, I difficile	Securing		•	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.
Apple	Vegetative	Wooly aphids	•	Swab the stem with mineral oil against wooly aphid.
	55-111110	51j apinas		2 are stell with inflictation against woody apind.

	Honey Bees				
Honey 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 Scient	tists (ICAR) or St	ate Agril Staff or l	KVK staff for measures against adverse conditions or call at 03795-		
226237/226247					

Agrometeorological Field Unit ICAR, BASAR

Dated: 20th June, 2017

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = 46.0 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 18-20°C and 14-15°C respectively. Expected morning and evening relative humidity will be 91-95% and 68-86% respectively. Expected wind direction is mainly NE with speed range of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 th 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		 Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases 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 Groundnut	Multiple stages Vegetative stage		 If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency 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 Finger millet	Tillering Sowing		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice Sowing of short duration finger millet varieties like VL-324 &
i inger immer	Sowing		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	Dharandahan	 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		
Toko 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.)	• 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. 		
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					

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

Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall: 186.0 mm; T. Max: 32.0°C; T. Min:	Mostly cloudy with possibility of moderate rainfall. Daily
23.0°C; RH: 80-98%	maximum and minimum temperature for the following period is
	predicted to be 28-29°C and 23-24°C respectively. Expected
	morning and evening relative humidity will be 94-95% and 73-87%
	respectively. Expected wind direction is mainly WNW with speed
	range of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 24 th 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 / -	I	FIELD CROPS
Rice	Nursery/transpl		 Need-based application of carbendazim@2gm/lit with
	anting/Tillering		sticker @2ml/lit to protect seedling from diseases
	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
			, ,
77.	37.11.1		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.
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 &
8	8		VR-708 can be carried out without delay.
C 1	C		•
Soybean	Sowing		Avoid sowing
			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
			made of bamboo + sticks.
			Dust ash powder in cucurbits
			Use pheromone traps/light traps against brinjal shoot and fruit
		HODE	borer.
G::	X 7 /		TCULTURAL CROPS
Citrus	Vegetative/	Phytopththora	Optimum time for orange seedling following half moon
	Seedling	disease/ Citrus	terraces on hills maintaining a spacing of 5 m from pit to
		canker	pit.
			Affected leaves, branch should be pruned and burnt.
			• 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
	C		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		
Omgen runnenc	Securing		1
			Earthing up of ginger/turmeric along with basal application of
Orahanda			required fertilizer should be done
Orchards			Prepare half moon terraces in fruit crops (area so / hand a
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
	İ		• Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards
	g :		·
Large Cardamom	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Large Cardamom	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.

Ioney bees			On prolong 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 o 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. 		
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 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 Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

 $Is sued jointly \ by \ ICAR-RC \ for \ NEH \ Region, Arunachal \ Pradesh \ Centre, \ Basar \ and \ India \ Meteorological \ Department \ Contact: -\underbrace{IAAS.BASAR@gmail.com}, \ Phone \ Number: -o3795-226247/37, -96 \ (Fax)$

Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 21st to 23rd 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: 49/2017/Tue

Dated: 20th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 25 th 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 26-27°C and 17-18°C respectively. Expected
	morning and evening relative humidity will be 92-93% and 74-82%
	respectively. Wind direction is mainly E with speed range of 2-3
	kmph.
Warning	Heavy to very heavy rainfall likely on 24th 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
		l	FIELD CROPS
Rice	Nursery/transpl		• Need-based application of carbendazim@2gm/lit with
	anting/Tillering		sticker @2ml/lit to protect seedling from diseases
	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		• 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
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	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 : 101	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
		& Fluit boilei	made of bamboo + sticks.
			Dust ash powder in cucurbits
			 Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HORT	
Citrus	Vegetative/	Phytopththora	Optimum time for orange seedling following half moon
Citius	Seedling	disease/ Citrus	terraces on hills maintaining a spacing of 5 m from pit to
	C	canker	pit.
			 Affected leaves, branch should be pruned and burnt.
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
Ginger/Turmeric	Seedling		nutrient loss during heavy downpour.
Omger i urmeric	Securing		 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
	C		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
Lorgo Condomore	Cowina		Bagging of bunches to protect against unusual rainfall. Should be source in Deignery pursuant had at 2 am doop and 10.
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 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 versupervision 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 pow 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.

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Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 21st to 23rd June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

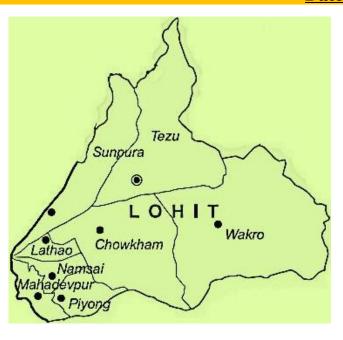


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: 49/2017/Tue

Dated: 20th June, 2017



Weather summery of the previous week	Weather forecast valid up to 25 th June 2017
Rainfall = 70.4 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 24-25°C and 17-18°C respectively. Expected
	morning and evening relative humidity will be 94-96% and 76-84%
	respectively. Wind direction is mainly E with speed range of 3-4
	kmph.
Warning:	Heavy to very heavy rainfall likely on 24 th 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
G 1	g :	l	FIELD	CROPS
Soybean	Sowing		•	Sowing can be done
D:	.		•	If already sown, maintain proper drainage
Rice	Nursery/transpl anting/Tillering		•	Need-based application of carbendazim@2gm/lit with
	stage			sticker @2ml/lit to protect seedling from diseases
	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
	36.10.1		•	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
<u> </u>	**			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
,	G 111			TABLES
Pre-summer	Seedling/	Aphids in Cucurbitaceous	•	Provision of drainage to remove excess water followed by
vegetables	vegetative	crops/		earthing up in vegetables.
		Сторы	•	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.
Citano	Magatating/			TURAL CROPS
Citrus	Vegetative/ Seedling	Phytopththora disease/ Citrus	•	Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to
	Becaning	canker		pit.
			•	Affected leaves, branch should be pruned and burnt.
			•	Prepare half moon terraces in fruit crops
				(orange/banana/apple/peach) grown in steep slopes to prevent
D' 1	X 7			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
Singer, Turmerre	Securing		•	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
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.
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
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
	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.
Banana Orchards	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
	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.
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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. 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
	-		•	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 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
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. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

Honey bees			Provide sugar syrup near the boxAdd insulation and ventilation systems
			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
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.
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
Contact Scien	tists (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call

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