Agro-met Advisory Bulletin

(Period: 14th to 16th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

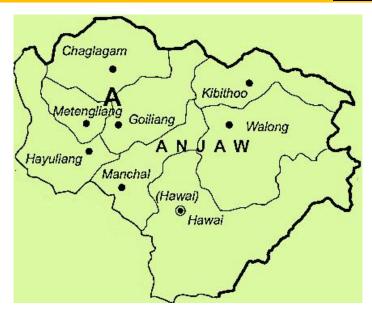


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 47/2017/Tue

Dated: 13th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
No weather summary available	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 27-28°C and 18-19°C respectively. Expected
	morning and evening relative humidity will be 92-98% and 53-68%
	respectively. Wind direction is mainly E at a speed range of 3-5
	kmph.
Warning:	• Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		 Maintain proper drainage for nursery plot of rice.
			 Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 &
S	C		VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
Jhum field	Tillering		Manual weeding advocated
V 11010	11110111119		Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			VEGETABLES
Pre-summer	Seedling/	Aphids in	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
		crops/	In cucurbitaceous crops like bottle gourd, cucumber, ridge
		D :: :: 1 Cl4	gourd etc, earthing up to be done followed by manuring; and
		Brinjal Shoot & Fruit borer	stacking should be followed and trained on a bower system
		& Pluit bolei	made of bamboo + sticks.
			Dust ash powder in cucurbits
			 Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HOR	FICULTURAL CROPS
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
	-		establishment and anchorage.
Orchards	Multiple stages		• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
Banana	Vegetative		land/plain areas to avoid water stagnation in fruit orchards
Danana	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	Phytopththora	 Affected leaves, branch should be pruned and burnt
		disease/ Citrus	• Prepare half moon terraces in fruit crops
		canker	(orange/banana/apple/peach) grown in steep slopes to prevent
Longo Condo	Cowing/		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.
	germmation		 The duration of primary nursery being 3-4 months.
			 Provide adequate drainage
Ginger/Turmeric	Seedling		Proper drainage to be done and avoid water stagnation
	C		Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
			LIVESTOCKS
			D 4 1 1 1 1 1
Livestock	Stage	Disease	Precautionary Practices to be followed
Livestock Fishery	Stage Fingerlings	Disease	Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings

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

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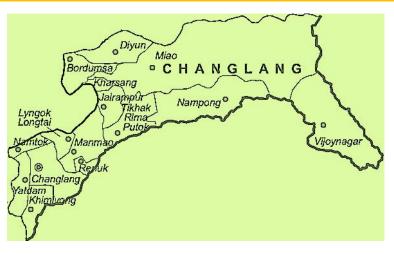


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 47/2017/Tue

Dated: 13th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 18 th June, 2017
Rainfall = Changlang: 3.2 mm Miao: 10.2	Mostly cloudy with possibility of light/moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is predicted to be 25-27°C and 18-20°C respectively. Expected morning and evening relative humidity will be 92-100% and 67-85% respectively. Wind direction is mainly E with speed range of 2-4 kmph.
Warning	Heavy to very heavy rainfall likely on 13th and 17th 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		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		 Maintain proper drainage for nursery plot of rice.
			Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Soybean	Sowing		Sowing can be done
Boyeeun	bowing		If already sown, maintain proper drainage
Jhum field	Tilloring		
	Tillering		Manual weeding advocated
Finger millet	Sowing		• Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
			VEGETABLES
Pre-summer	Seedling/	Aphids in	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
		crops/	• In cucurbitaceous crops like bottle gourd, cucumber, ridge
		Brinjal Shoot	gourd etc, earthing up to be done followed by manuring; and
		& Fruit borer	stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			Dust ash powder in cucurbits
			• Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
		HORT	TICULTURAL CROPS
Citrus	Vegetative	Phytopththora	Affected leaves, branch should be pruned and burnt.
		disease/ Citrus	• Spray copper oxychloride 200 gm with streptocycline 6 gm
		canker	in 60 lits of water before onset of monsoon. Spray 3-4 times
			at interval of 30 days on clear day or using stickers.
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) using stickers
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5
			X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weight
Cincor/Turmoria	Coodling		Bagging of bunches to protect against unusual rainfall. Draw decisions to be done and quaid water stagestics.
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
Large Cardamom		i	cm apart followed by mulching & regular light irrigation.
Large Cardamoni			
Large Cardamoni			The duration of primary nursery being 3-4 months.
			• The duration of primary nursery being 3-4 months. Honey Bees
Honey bees			The duration of primary nursery being 3-4 months.

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

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

Agro-met Advisory Bulletin

(Period: 14th to 16th 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: Dibang Valley

No: 47/2017/Tue

Dated: 13th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 18 th June, 2017
Rainfall = NA (Anini)	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 22-26°C and 14-16°C respectively. Expected morning
	and evening relative humidity will be 91-96% and 49-69%
	respectively. Wind direction is mainly E with speed range of 2-4
	kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th 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	PIEL D	Precautionary Practices to be followed
Soybean	Sowing			CROPS
Soybean	Sowing		•	Sowing can be done
Diag	Numa amu/tmamaml		•	If already sown, maintain proper drainage
Rice	Nursery/transpl anting/Tillering		•	Maintain periphery of nursery field weed free and clean to
	stage			prevent disease and pest harboring in weeds.
			•	Maintain proper drainage for nursery plot of rice.
			•	Seedling in lowland rice nursery may be carried out
	25.1.1		•	Right time for transplantation
Maize	Multiple stages		•	If bluish-green leaves are observed, apply SSP or DAP along
				with 2/3 rd of Urea to rejuvenate the plant from phosphorus
				deficiency
Groundnut	Vegetative		•	Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage			affect the pod formation adversely
			•	On sunny day spray triazophose@2ml/lit water in young
				seedlings.
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
			VEGET	FABLES
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 boiei		made of bamboo + sticks.
				Dust ash powder in cucurbits
				Use pheromone traps/light traps against brinjal shoot and fruit
				borer.
		норт	 FICTH T	TURAL CROPS
Citrus	Vegetative	Phytopththora		Affected leaves, branch should be pruned and burnt.
	, egettii (e	disease/ Citrus	•	Spray copper oxychloride 200 gm with streptocycline 6 gm
		canker		in 60 lits of water before onset of monsoon. Spray 3-4 times
				at interval of 30 days using stickers if rains
			•	To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
				acid (GA) using stickers during rain
			•	Prepare half moon terraces in fruit crops
				(orange/banana/apple/peach) grown in steep slopes to prevent
Pineapple	Vegetative			nutrient loss during heavy downpour.
Ппсарріс	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
Jinger/Turilleric	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
	S			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
Zange Cardamoni	Sowing			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.
	<u> </u>	<u> </u>	<u> </u>	

	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-			
Lontact Scient	usis (ICAK) of St	ate Agrii Stail of I	226237/226247			

Agro-met Advisory Bulletin

(Period: 14th to 16th June 2017)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

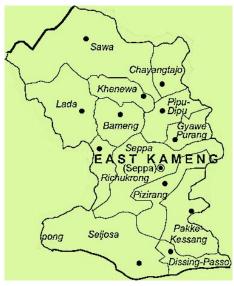


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: East Kameng

No: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
Rainfall = 8.4 mm	Mostly cloudy with possibility of light/moderate rainfall, with clear weather on 14 th & 15 th June. Daily maximum and minimum temperature for the following period is predicted to be 23-25°C and 16-18°C respectively. Expected morning and evening relative humidity will be 87-98% and 65-95% respectively. Expected wind direction is mainly E & NE with speed range of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th 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
		1	FIELD CROPS
Rice Maize	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
ividize	winipie stages		• If bluish-green leaves are observed, apply SSP or DAP along with 2/3 rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		Sowing can be doneIf already sown, maintain proper drainage
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	TICULTURAL CROPS
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days using stickers To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) using stickers Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.

			Agroforestry
Toko palm	Nursery	Filling of nursery polybags for raising of takopalm seedlings	
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings	Discase	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
rishery	ringerings		daily advocated for healthy fingerlings
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
Pigs	All stages	FMD (high fever	1 1 0 1
2-750	. In ourge	and appearance of mucous membrane of the mouth and foot.)	 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%
Poultry	All stages		Provide adequate potable water Proper ventilation of shed
Pounty	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	ntists (ICAR) or	_	For KVK staff for measures against adverse conditions or call 3795-226237/226247

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(Period: 14th to 16th 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: 47/2017/Tue

Dated: 13th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
Rainfall: 33.8 mm; T. Max: 36.0°C; T. Min:	Mostly cloudy with possibility of light to rather heavy rainfall.
25.0°C; RH: 81-95%	Daily maximum and minimum temperature for the following period
	is predicted to be 27-33°C and 23-25°C respectively. Expected
	morning and evening relative humidity will be 91-96% and 66-88%
	respectively. Expected wind direction is mainly WNW with speed
	range of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

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

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

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

Agro-met Advisory Bulletin

(Period: 14th to 16th June 2017)

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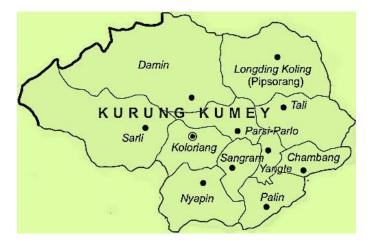


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Kurung Kumey

No: 47/2017/Tue

Dated: 13th June, 2017



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

Weather summery of the previous week	Weather forecast valid up to 18 th June 2016
Past weather summary not available	Mostly cloudy with possibility of light/moderate rainfall and
	clear weather is likely on 15 th & 16 th June. Daily maximum and
	minimum temperature for the following period is predicted to be 28-
	29°C and 18-20°C respectively. Expected morning and evening
	relative humidity will be 90-94% and 73-86% respectively. Wind
	direction mainly E with speed range of 2-3 kmph.
Warning	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

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

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

LIVESTOCKS				
Livestock	Stage	Disease		Precautionary Practices to be followed
Fishery	Fingerlings		•	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
				daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever	•	Keep the houses dry and clean.
		and appearance	•	1 st injection at 6 months of age and 2 nd injection at 12 months of
		of mucous membrane of the		age followed by annual vaccination under vet supervision against
		mouth and foot.)	•	FMD Reduce concentrate diet up to 5%
		1110 4411 4114 10041)	•	Provide adequate potable water
Poultry	All stages		•	Proper ventilation of shed
<i>y</i>			•	Provide vitamin complex and glucose in water
			•	Follow 'All in All out' system of rearing and do not rear birds of
			_	different age groups together.
			•	Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet
				supervision and recommended doses.
			•	Provide adequate clean drinking water+electrolyte and multi-
				vitamins
			•	Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days:
				F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days:
				F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox
				vaccine and 56-70 days: RD R-2B strain.
			•	Remove wet litter
Cattle	All stages	FMD	•	Provide UMB/Molases if possible in the feed
			•	Provide 10-30 ml of vitamin B-Complex in feed
			•	1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st
				injection followed by annual vaccination under vet supervision
			•	Separate sick animals The onimal should be weeked with lukeweem water added with
			•	The animal should be washed with lukewarm water added with little potash (KMnO ₄) or neem leaves
			•	Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	•	Polyvalent FMD vaccine with serotype O, A and Asia at 6 months
				of age and repeat after that 6 months interval by sub-cutaneous
				route.
			or	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

Agro-met Advisory Bulletin

(Period: 14th to 16th 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: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June, 2017
Rainfall = 61.4 mm (Tezu)	Mostly cloudy with possibility of light to rather heavy rainfall.
	Daily maximum and minimum temperature for the following period is
	predicted to be 20-22°C and 16-17°C respectively. Expected morning
	and evening relative humidity will be 92-99% and 61-77%
	respectively. Wind direction is mainly E with speed range of 2-4
	kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Cardana	Cin-		FIELD CROPS
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Rice	Nursery/transpl anting/Tillering		Maintain periphery of nursery field weed free and clean to
	stage		prevent disease and pest harboring in weeds.
	stage		Maintain proper drainage for nursery plot of rice.
			 Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along
			with $2/3^{rd}$ of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			 On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Jhum field	Tillering		 Manual weeding advocated
			• Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			 If already sown, maintain proper drainage
	1		VEGETABLES
Pre-summer	Seedling/	Aphids in	 Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous	earthing up in vegetables.
		crops/	• In cucurbitaceous crops like bottle gourd, cucumber, ridge
		Brinjal Shoot	gourd etc, earthing up to be done followed by manuring; and
		& Fruit borer	stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			 Dust ash powder in cucurbits
			• Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
			ICULTURAL CROPS
Citrus	Vegetative	Phytopththora	 Affected leaves, branch should be pruned and burnt.
		disease/ Citrus canker	• Spray copper oxychloride 200 gm with streptocycline 6 gm
		Calikei	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
D' 1	**		nutrient loss during heavy downpour.
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant actablishment and analysis are
Cin con/Trama ani a	C 41:		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
Banana	Vegetative		• Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Vegetative		Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Banana	Vegetative		 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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		 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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		 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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		 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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		 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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
	Vegetative		 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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.
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Orchards			 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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 cm apart followed by mulching & regular light irrigation.
Orchards			 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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

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

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 14th to 16th 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 Dibang Valley

No: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June, 2017
Rainfall = 15.2 mm (Roing)	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 25-26°C and 15-17°C respectively. Expected morning
	and evening relative humidity will be 89-97% and 51-75%
	respectively. Wind direction is mainly E & ESE with speed range of
	2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

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

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

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

Agro-met Advisory Bulletin

(Period: 14th to 16th 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 Subansiri

No: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th May 2017
Rainfall = NA (Ziro)	Mostly cloudy with possibility of light/moderate rainfall after 12 th June. Daily maximum and minimum temperature for the following period is predicted to be 26-34°C and 18-22°C respectively. Expected morning and evening relative humidity will be 93-97% and 71-93% respectively. Wind direction is mainly ENE with speed range of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th 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
	Ü		FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out
Maize	Multiple stages		 Right time for transplantation If bluish-green leaves are observed, apply SSP or DAP along with 2/3rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young
Jhum field	Tillering		 seedlings. Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
Soybean	Sowing		 Sowing can be done If already sown, maintain proper drainage
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield on clear day
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
- D	G 11: /		VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		ИО РТ	ICULTURAL CROPS
Pineapple	Vegetative	HOKI	Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Affected leaves, branch should be pruned and burnt. Spray copper oxychloride 200 gm with streptocycline 6 gm in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. (use stickers) To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic acid (GA) (use stickers) Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.

	Agroforestry			
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings	
			Honey Bees	
Honey bees			Box must be covered with straw/dry leaves to provide warmth	
			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 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. 	
Contact Scien	ntists (ICAR) or		or KVK staff for measures against adverse conditions or call 3795-226237/226247	

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

Agro-met Advisory Bulletin

(Period: 14th to 16th 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: Papum Pare

No: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
Rainfall: 53.0 mm; T. Max: 37.3°C; T. Min: 22.5°C; RH: 61-92%	Mostly cloudy with possibility of light to rather heavy rainfall with clear weather on 15 th & 16 th June. Daily maximum and minimum temperature for the following period is predicted to be 28-31°C and 21-24°C respectively. Expected morning and evening relative humidity will be 89-97% and 52-94% respectively. Expected wind direction is mainly E and ENE with speed range of 2-3 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th 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		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		 Maintain proper drainage for nursery plot of rice.
			 Seedling in lowland rice nursery may be carried out
3.6.	3.6.1.1.1		Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			 On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			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	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.
D' 1	**	HORT	CICULTURAL 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	Phytopththora	 Affected leaves, branch should be pruned and burnt.
		disease/ Citrus	• Spray copper oxychloride 200 gm with streptocycline 6 gm
		canker	in 60 lits of water before onset of monsoon. Spray 3-4 times
			at interval of 30 days. (use stickers)
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
			acid (GA) (use stickers)Prepare half moon terraces in fruit crops
			• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
Orchards			Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards
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
	Sowing		Bagging of bunches to protect against unusual rainfall. Should be sown in Primery pursery had at 2cm doep and 10.
Larga Cardaman		I	• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Large Cardamom	Sowing		
Large Cardamom	Sowing		
Large Cardamom	Sowing		• The duration of primary nursery being 3-4 months.
	Sowing		The duration of primary nursery being 3-4 months. Honey Bees
Large Cardamom Honey bees	Sowing		• The duration of primary nursery being 3-4 months.

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 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 Contact Scient	tists (ICAP) 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. 		
Contact Scien	ontact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

Agro-met Advisory Bulletin

(Period: 14th to 16th June 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
Rainfall = NA	Mostly cloudy with possibility of light/moderate rainfall,. Daily
	maximum and minimum temperature for the following period is
	predicted to be 16-20°C and 9-13°C respectively. Expected morning
	and evening relative humidity will be 88-94% and 61-89%
	respectively. Wind direction is mainly S with probable speed range
	of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th 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
G 1			FIELD CROPS
Soybean	Sowing		• Sowing can be done
			If already sown, maintain proper drainage
Rice	Nursery/transpl		 Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		 Maintain proper drainage for nursery plot of rice.
			 Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
Iviaize	Withtipic stages		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
Ein con millot	Corring		- Y
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
		D 1 1 1 61	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	ICULTURAL CROPS
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation
			• Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
Pineapple	Vegetative		 Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
Citrus	Vegetative	Phytopththora	Affected leaves, branch should be pruned and burnt.
		disease/ Citrus	• Spray copper oxychloride 200 gm with streptocycline 6 gm
		canker	in 60 lits of water before onset of monsoon. Spray 3-4 times
			at interval of 30 days.
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
			acid (GA)
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
I and C 1			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
TT 1	T		
Honey bees			Provide sugar syrup near the box
Honey bees			 Add insulation and ventilation systems
Honey bees Livestock	Stage	Disease	

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	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. or KVK staff for measures against adverse conditions or call
	, , , , , , , , , , , , , , , , , , ,	_	3795-226237/226247

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

Agro-met Advisory Bulletin

(Period: 14th to 16th 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: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June, 2017
Rainfall = 12.4 mm (Deomali)	Mostly cloudy with possibility of light/moderate rainfall fater
	12 th June. Daily maximum and minimum temperature for the
	following period is predicted to be 27-32°C and 24-26°C
	respectively. Expected morning and evening relative humidity will
	be 95-100% and 63-92% respectively. Wind direction is variable
	with speed range of 2-4 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th 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
C1	g :		FIELD CROPS
Soybean	Sowing		Sowing can be done
			If already sown, maintain proper drainage
Jhum field	Tillering		Manual weeding advocated
			Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
Rice	Nursery/transpl		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		Maintain proper drainage for nursery plot of rice.
			Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		-
Maize	Withtiple stages		
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
G 1	**		deficiency
Groundnut	Vegetative		• Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
			seedlings.
Finger millet	Sowing		• Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
			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	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.
	l	HORT	
Citrus	Vegetative	Phytopththora	• Prepare half moon terraces in fruit crops
		disease/ Citrus	(orange/banana/apple/peach) grown in steep slopes to prevent
D:1.	V	canker	nutrient loss during heavy downpour.
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant actablishment and archange.
D	V. and diese		establishment and anchorage.
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5 Y 2.5 meter plant to plant and row to row distance.
			 X 2.5 meter plant to plant and row to row distance. Denayelling (removal of male bud) to improve bunch
			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
			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	age followed by annual vaccination under vet supervision against
		of mucous membrane of the mouth and foot.)	FMD

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

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 14th to 16th 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: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June, 2017
Rainfall = 0.4 mm (Tuting)	Variable weather with possibility of light to rather heavy
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 23-26°C and 15-18°C
	respectively. Expected morning and evening relative humidity will
	be 82-93% and 56-67% respectively. Wind direction is variable with
	speed range of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- 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		Maintain periphery of nursery field weed free and clean to
	anting/Tillering		prevent disease and pest harboring in weeds.
	stage		 Maintain proper drainage for nursery plot of rice.
			Seedling in lowland rice nursery may be carried out
			Right time for transplantation
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along
			with 2/3 rd of Urea to rejuvenate the plant from phosphorus
			deficiency
Groundnut	Vegetative		Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage		affect the pod formation adversely
			On sunny day spray triazophose@2ml/lit water in young
			seedlings.
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 &
1901	55,7115		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
		5	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	TICULTURAL CROPS
Pineapple	Vegetative	110111	Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
Ginger/Turmeric	Seedling		Proper drainage to be done and avoid water stagnation
			Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
Citrus	Vegetative	Phytopththora	Affected leaves, branch should be pruned and burnt.
		disease/ Citrus canker	• Spray copper oxychloride 200 gm with streptocycline 6 gm
		Calikei	in 60 lits of water before onset of monsoon. Spray 3-4 times at interval of 30 days. (Use stickers)
			• To check fruit drop spray with 1.5 gms 2,4-D or Gibberelic
			acid (GA) (use stickers)
			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5 Y 2.5 mater plant to plant and row to row distance.
			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
Honov book			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth
			Provide sugar syrup
	<u> </u>		- 110 vide sugai 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	
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. 	
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 	
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice 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	tists (ICAR) or	9	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: 14th to 16th 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: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
Rainfall = NA (Puchi Geko); Daporijo: 0.0	Mostly cloudy with possibility of light to rather heavy rainfall.
mm	Daily maximum and minimum temperature for the following period
	is predicted to be 26-28°C and 18-22°C respectively. Expected
	morning and evening relative humidity will be 94-97% and 67-91%
	respectively. Expected wind direction is mainly E and ESEwith
	speed range of 2-3 kmph.
Warning	Heavy to very heavy rainfall likely on 13 th and 17 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
	1		FIELD CROPS
Rice	Nursery/transpl anting/Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Seedling in lowland rice nursery may be carried out Right time for transplantation
Maize	Multiple stages		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
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
Soybean	Sowing		 Sowing can be done If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
		HORT	ICULTURAL CROPS
Pineapple	Vegetative		 Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Citrus	Vegetative	Phytopththora disease/ Citrus canker	 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			 Provide sugar syrup near the box Add insulation and ventilation systems
T	G,	D'	LIVESTOCKS Description of the following the
Livestock Fishery	Stage Fingerlings	Disease	Precautionary Practices to be followed • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
rishery	ringerings		 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.)	

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

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at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 14th to 16th 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: 47/2017/Tue

Dated: 13th June, 2017



Weather summery of the previous week	Weather forecast valid up to 18 th June 2017
Rainfall = Bomdila: NA; Bhalukpong: 9.4	Mostly cloudy with possibility of light/moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 22-25°C and 13-17°C respectively. Expected
	morning and evening relative humidity will be 88-96% and 63-93%
	respectively. Wind direction is mainly ESE with speed range of 2
	kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

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

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

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Agrometeorological Field Unit ICAR, BASAR

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(Period: 14th to 16th 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: West Siang

No: 47/2017/Tue

Dated: 13th 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 18 th June 2017
Basar: Rainfall = 60.6 mm. T. Max: 32.2°C,	Mostly cloudy with possibility of light to rather heavy rainfall.
T. Min: 20.7°C, RH: 60-92%, Wind Speed:	Daily maximum and minimum temperature for the following period
3-4 kmph, Wind Direction: SW & WSW	is predicted to be 23-30°C and 20-22°C respectively. Expected
Along: NA	morning and evening relative humidity will be 91-97% and 65-89%
	respectively. Wind direction is variable with speed range of 2 kmph.
Warning:	Heavy to very heavy rainfall likely on 13th and 17th June

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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



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

			Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision agains FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vesupervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days F/Lasota, 6-7 weeks: Chicken embryo adopted fowl 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 teamer short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 month of age and repeat after that 6 months interval by sub-cutaneou route. Pregnant animals above 7 months of pregnancy should be avoided
Contact Scien	tists (ICAR) or	_	or KVK staff for measures against adverse conditions or cal

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