Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

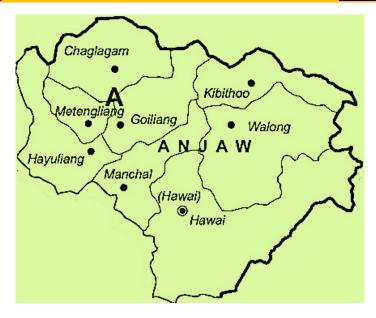


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
No weather summary available	Variable weather with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 29-32°C and 20-21°C respectively. Expected
	morning and evening relative humidity will be 88-94% and 56-60%
	respectively. Wind direction is mainly ENE & E at a speed range of
	2-4 kmph.
Warning:	Not available.

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
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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		On sunny day spray triazophose@2ml/lit water in young seedlings. 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
Pineapple	Immature		Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		 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	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings	Discuse	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.)	 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
			Provide vitamin complex and glucose in water
			• Follow 'All in All out' system of rearing and do not rear birds of
			different age groups together.
			Avoid overcrowding.
			• Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
			• Provide adequate clean drinking water+electrolyte and multivitamins
			• Vaccination as per the schedule with proper consultation with vet.
			Day old chick: HVT Marek disease vaccine, 4-7 days:
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days:
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox
			vaccine and 56-70 days: RD R-2B strain.
Cattle	A 11 ot a con	FMD	• Remove wet litter
Cattle	All stages	LMID	 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.
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
Contact Scienti	ete (ICAD) on Ste	ote Agril Staff on K	avoided from vaccination. XVK staff for measures against adverse conditions or call at 03795-
Contact Scienti	isis (ICAR) UI St	ne Agin Stan of N	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: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

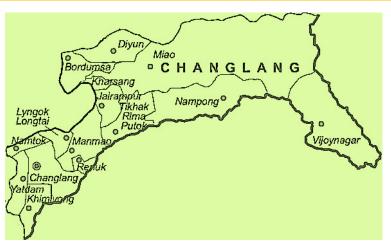


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = Changlang: NA Miao: NA	Variable weather with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 32-34°C and 23-24°C respectively. Expected
	morning and evening relative humidity will be 88-95% and 59-70%
	respectively. Wind direction is mainly ESE & SE with speed range
	of 2-4 kmph.
Warning	Not available.

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
	I		FIELD CROPS
Jhum field	Tillering	True Armyworm	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water
		(Heavy infestation all	• Keep poison baits (Rice bran 50kg + Jaggery 5kg +
		over the state)	Monocrotophos 36 SL 625ml + required quantity of water)
		0 (01 010 0100)	here and there in field.
Rice	Nursery/transpl anting/Tillering		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		• Need-based application of carbendazim@2gm/lit with
			sticker @2ml/lit to protect seedling from diseases
			 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
			 Maintain proper drainage for nursery plot of rice.
			 Apply recommended dose of NPK in WRC at the time of
			transplanting or liquid formulation of bio-NPK @ 2-3
			ml/lit water
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
Caribaan	Cowing		seedlings.
Soybean	Sowing		Sowing can be doneIf already sown, maintain proper drainage
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 &
1 mger minet	Sowing		VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous	 Provision of drainage to remove excess water followed by 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
		HODA	borer.
Citrus	Marble/ Seedling		ICULTURAL CROPS
Citius	Warble/ Seeding	Citius Calikei	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the
			budded area.
			• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea
			mixed in 100 liters of water
			 Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with
			Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/ germination		If damaged by heavy rainfall, re-sowing is recommended at
	germmation		earliestThe duration of primary nursery being 3-4 months.
			 Provide adequate drainage
Pineapple	Immature		Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		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 wordst
			weightBagging of bunches to protect against unusual rainfall.
	I .		rugging or runches to protect against unusual raintall.

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
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup LIVESTOCKS
.	g,	7.	
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 delty edvecated for healthy fingerlings.
Contact Scient	tists (ICAR) or	0	daily advocated for healthy fingerlings for KVK staff for measures against adverse conditions or call 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA (Anini)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 25-26°C and 14-15°C respectively. Expected morning
	and evening relative humidity will be 90-94% and 50-71%
	respectively. Wind direction is variable with speed range of 2-5
	kmph.
Warning:	Not available.

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed FIELD CROPS
Jhum field Rice	Tillering Nursery/transpl anting/Tillering stage	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
			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.
Citmo	Marbla/Saadling		FICULTURAL CROPS
Citrus	Marble/ Seedling	Citius Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• 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
Banana	Immature		 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/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
Apple	vegetative	woory apinus	5 Swab the stelli with inflictar on against woody apind.
Apple	vegetative	woory apmus	Honey Bees

			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD	
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. 	
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 Scient	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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(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Mostly sunny with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 19-24°C and 16-17°C respectively. Expected morning and evening relative humidity will be 92-99% and 57-91% respectively. Expected wind direction is mainly SE & WSW with speed range of 2-5 kmph.
Warning:	Not available

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
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
Large Cardamom	germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
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	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		 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
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 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	ntists (ICAR) or	FMD State Agril Staff	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. Tor KVK staff for measures against adverse conditions or call
	((_	3795-226237/226247

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

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(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Not available.	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 33-36°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 89-94% and 49-74%
	respectively. Expected wind direction is mainly NNE and NE with
	speed range of 2-4 kmph.
Warning:	Not available.

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
			FIELD CROPS
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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		 Avoid sowing If already sown, maintain proper drainage
			VEGETABLES
Pre-summer	Seedling/	Aphids in	Provision of drainage to remove excess water followed by
vegetables	vegetative	Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 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	FICULTURAL CROPS
Citrus	Marble/ Seedling		 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		 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/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
			Honey Bees
Honey bees			On prolong rain, provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 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 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	ists (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: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Kurung Kumey

No: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Past weather summary not available	Mostly sunny with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-27°C and 16°C respectively. Expected morning
	and evening relative humidity will be 90-93% and 55-80%
	respectively. Wind direction is mainly W & WNW with speed range
	of 2-6 kmph.
Warning	Not available.

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
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along with 2/3 rd of Urea to rejuvenate the plant from phosphorus deficiency
Groundnut	Vegetative stage		 Do not disturb the soil after 40-45 DAS of groundnut, it will affect the pod formation adversely On sunny day spray triazophose@2ml/lit water in young seedlings.
Soybean	Sowing		Sowing can be doneIf already sown, maintain proper drainage
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	ICULTURAL CROPS
Citrus	Marble/ Seedling		 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
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	Immature		 Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		 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/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
			Honey Bees
			 Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		 Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short
Mithun		FMD	 short. Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. For KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Variable weather with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 26-28°C and 18-19°C respectively. Expected morning
	and evening relative humidity will be 89-94% and 59-65%
	respectively. Wind direction is mainly E with speed range of 2-4
	kmph.
Warning:	Not available.

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
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
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	 If damaged by rain, Okra can be sown again 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	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• 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
Banana	Immature		 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/		If damaged by heavy rainfall, re-sowing is recommended at

			earliest
			• The duration of primary nursery being 3-4 months.
			Provide adequate drainage
			Honey Bees
Honey bees			Provide sugar syrup near the box
			Add insulation and ventilation systems
	·	1	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	
		and appearance of mucous	• 1 st injection at 6 months of age and 2 nd injection at 12 months of
		membrane of the	age followed by annual vaccination under vet supervision against FMD
		mouth and foot.)	Reduce concentrate diet up to 5%
		1110 0001 0110 10001)	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 multi
			vitamins Veccination as nor the schedule with proper consultation with yet
			 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
	Tin sunges		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
I Ioiioi y			daily advocated for healthy fingerlings
Contact Scien	tists (ICAP) or	State Agril Stoff	f or KVK staff for measures against adverse conditions or call
Contact Scien	idsis (ICAK) UI	State Agrii Stall	of 12 v 12 start for incasures against adverse conditions of call

at 03795-226237/226247

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

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 24-27°C and 16-18°C respectively. Expected morning
	and evening relative humidity will be 86-92% and 48-64%
	respectively. Wind direction is mainly ENE & NE with speed range
	of 2-4 kmph.
Warning:	Not available.

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
Jhum field	Tillering	True Armyworm (Heavy infestation all	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water)
		over the state)	here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases
			 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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
77			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	 If damaged by heavy rainfall, Okra can be sown again 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.
G'.	N/ 11 / G 11:		TCULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight
Orchards			 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops (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/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
			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
			daily advocated for healthy fingerlings

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

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Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA (Ziro)	Mostly sunny with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	25-26°C and 17-18°C respectively. Expected morning and evening
	relative humidity will be 93-97% and 54-85% respectively. Wind
	direction is mainly WSW & W with speed range of 2-5 kmph.
Warning:	Not available

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		
7	FIELD CROPS				
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. 		
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water 		
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. 		
Pre-summer	Seedling/	Aphids in	VEGETABLES		
vegetables	vegetative	Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 If damaged by heavy rainfall, immediate sowing of okra recommended in this weather 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. 		
	l	HORT	TICULTURAL CROPS		
Citrus	Marble/ Seedling		 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. 		
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 		
Banana	Immature		 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/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
			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.)	 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 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	tists (ICAR) or		or KVK staff for measures against adverse conditions or call 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Not available	Variable weather with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 32-35°C and 24-26°C respectively. Expected
	morning and evening relative humidity will be 90-96% and 54-89%
	respectively. Expected wind direction is variable with speed range
	of 2-3 kmph.
Warning:	Not available

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
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
		HORT	TCULTURAL CROPS
Citrus	Marble/ Seedling		 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• 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
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	Immature		 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/		• If damaged by heavy rainfall, re-sowing is recommended at
	germination		earliest
			• The duration of primary nursery being 3-4 months.
			Provide adequate drainage
			Honey Bees
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	age followed by annual vaccination under vet supervision against
		membrane of the	FMD
		mouth and foot.)	• 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 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.
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	State Agril Staff	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Mostly sunny with possibility of light/moderate rainfall,. Daily
	maximum and minimum temperature for the following period is
	predicted to be 16-18°C and 13-15°C respectively. Expected
	morning and evening relative humidity will be 90-95% and 63-83%
	respectively. Wind direction is variable with probable speed range
	of 2-5 kmph.
Warning:	Not available

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water)
Rice	Nursery/transpl anting/Tillering stage		 here and there in field. Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
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.
C'Arran	M1-1 - / C 11:		TCULTURAL CROPS
Citrus	Marble/ Seedling	Curus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/ germination		 If damaged by heavy rainfall, re-sowing is recommended at earliest The duration of primary nursery being 3-4 months. Provide adequate drainage
Ginger/Turmeric	Seedling		 Provide adequate drainage 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 Orchards	Immature		Earthing-up and removal of excess suckers for better plant establishment and anchorage. Property helf many torrespond in fruit expense.
Orcharus			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards

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

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = NA	Variable weather with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 30-37°C and 22-25°C respectively. Expected
	morning and evening relative humidity will be 88-98% and 56-86%
	respectively. Wind direction is variable with speed range of 2-4
	kmph.
Warning:	Not available.

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
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	 If damaged by rainfall, re-sowing of okra, blackgram etc may be done immediately 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	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Immature		 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/		• If damaged by heavy rainfall, re-sowing is recommended at		
	germination		earliest		
			• The duration of primary nursery being 3-4 months.		
			Provide adequate drainage Honor Page Honor Page		
			Honey Bees		
			Box must be covered with straw/dry leaves to provide		
			warmth LIVESTOCKS		
Livestock	Stage	Disease	Precautionary Practices to be followed		
Pigs	Stage All stages	FMD (high fever	·		
1 1gs	All stages	and appearance	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months 		
		of mucous	of age followed by annual vaccination under vet supervision		
		membrane of the	against FMD		
		mouth and foot.)	• 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 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.		
C-41-	A 11 -4	EMD	• 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 injection at 0-8 weeks of age, 2 injection after 0 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 (KMnO ₄) or neem leaves		
			• Long hair near the udder/stomach/back legs should be teamed		
Fishery	Fingerlings		short. Propagating of Mustard Oil Cake (MOC) @ 5kg/pand twice		
rishery	ringerings		 Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings 		
Mithun		FMD			
iviiuiuii		LIMID	• 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	ists (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call		
		at 03	3795-226237/226247		

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

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = Not available	Mostly sunny with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 25-26°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 73-89% and 44-60%
	respectively. Wind direction is mainly SSE with speed range of 2-4
	kmph.
Warning:	Not available.

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
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
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.
			Re-sowing of okra can be done
	1	HORT	TCULTURAL CROPS
Citrus	Marble/ Seedling		 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Ginger/Turmeric Citrus	Seedling Marble/ Seedling	Phytopththora disease/ Citrus canker/ Colletotrichum fruit drop	 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done Optimum time for orange seedling following half moon terraces on hills maintaining a spacing of 5 m from pit to pit. Affected leaves, branch should be pruned and burnt. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Spray Carbendazim 50 WP @ 1gm/lit water during

			clear/dry weather
Banana	Immature		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight
Orchards			 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops
Orenarus			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. 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
		<u> </u>	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	itists (ICAR) or	0	For KVK staff for measures against adverse conditions or call 3795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 12th to 14th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

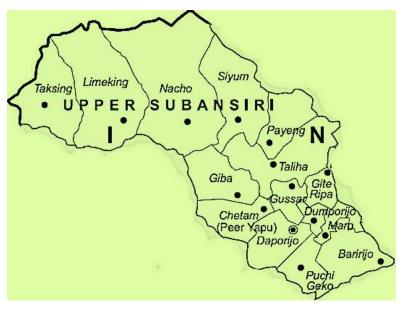


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 55/2017/Tue

Dated: 11th July, 2017



Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Daporijo: NA	Mostly sunny with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	25-27°C and 15-16°C respectively. Expected morning and evening
	relative humidity will be 92-94% and 53-82% respectively.
	Expected wind direction is variable with speed range of 2-4 kmph.
Warning	Not available

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		
TI 01 4 5	FIELD CROPS				
Jhum field	Tillering	True Armyworm	• Spray Dichlorvos 76 EC@3ml/lit water along with sticker		
		(Heavy	@ 1ml/lit water		
		infestation all	• Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water)		
		over the state)	here and there in field.		
Rice	Nursery/transpl		Before transplanting, follow seedling root-dip treatment in		
	anting/Tillering		chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.		
	stage		• Need-based application of carbendazim@2gm/lit with		
			sticker @2ml/lit to protect seedling from diseases		
			Maintain periphery of nursery field weed free and clean to		
			prevent disease and pest harboring in weeds.		
			Maintain proper drainage for nursery plot of rice. NPN : NPN : NPN : 1 1 1 1 1 1 1 1 1 1		
			• Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3		
			ml/lit water		
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along		
			with $2/3^{\text{rd}}$ 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.		
Pre-summer	Sandling/		VEGETABLES Description of the law of the la		
vegetables	Seedling/ vegetative		• Re-sowing of okra, blackgram, frenchbean etc recommended		
regettieres	, egetative		 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	CICULTURAL CROPS		
Citrus	Marble/ Seedling		Avoid water stagnation near the tree trunk		
			• Remove water shoots and any other shoots below the budded area.		
			• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic		
			Acid (GA) with 100 gms Carbendazim and 1 kg Urea		
			 mixed in 100 liters of water Prune all canker affected branches and leaves and burn 		
			them. Spray copper oxychloride (180 gms) with		
	_		Streptocycline (6 gms) per 60 liters water.		
Pineapple	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.		
Banana	Immature		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		
TT 1			Honey Bees		
Honey bees			Provide sugar syrup near the boxAdd insulation and ventilation systems		
			LIVESTOCKS		

Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision
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. For KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agrometeorological Field Unit ICAR. BASAR

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue





Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Rainfall = Bomdila: NA; Bhalukpong: NA	Mostly sunny with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 19-23°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 91-98% and 61-88%
	respectively. Wind direction is variable with speed range of 2-6
	kmph.
Warning:	Not available

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
Jhum field	Tillering	True Armyworm (Heavy infestation all over the state)	 Spray Dichlorvos 76 EC@3ml/lit water along with sticker @ 1ml/lit water Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
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.
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/		Re-sowing of okra recommended if previous crop damaged
vegetables	vegetative		 by rainfall Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
		HORT	TICULTURAL CROPS
Pineapple	Immature		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Citrus	Marble/ Seedling	Cıtrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Banana	Immature		 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 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	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 		
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

Agrometeorological Field Unit ICAR. BASAR

Agro-met Advisory Bulletin

(Period: 12th to 14th July 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: 55/2017/Tue

Dated: 11th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 16 th July 2017
Basar: Rainfall = 223.2 mm. T. Max:	Partly cloudy with possibility of light/moderate rainfall. Daily
26.0°C, T. Min: 21.0°C, RH: 88-92%, Wind	maximum and minimum temperature for the following period is
Speed: 3-4 kmph, Wind Direction: WSW	predicted to be 30-35°C and 22-24°C respectively. Expected
	morning and evening relative humidity will be 88-94% and 50-77%
	respectively. Wind direction mainly SE with speed range of 2-3
	kmph.
Warning:	Not available.

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	EIEI D	Precautionary Practices to be followed CROPS
Jhum field	Tillering	True	•	Spray Dichlorvos 76 EC@3ml/lit water along with sticker
Juint Held	Tillering	Armyworm	•	@ 1ml/lit water
		(Heavy		
		infestation all	•	Keep poison baits (Rice bran 50kg + Jaggery 5kg +
		over the state)		Monocrotophos 36 SL 625ml + required quantity of water)
				here and there in field.
Rice	Nursery/transpl		•	Before transplanting, follow seedling root-dip treatment in
	anting/Tillering			chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		•	Need-based application of carbendazim@2gm/lit with
				sticker @2ml/lit to protect seedling from diseases
			•	Maintain periphery of nursery field weed free and clean to
				prevent disease and pest harboring in weeds.
			•	Maintain proper drainage for nursery plot of rice.
			•	Apply recommended dose of NPK in WRC at the time of
				transplanting or liquid formulation of bio-NPK @ 2-3
				ml/lit water
Maize	Multiple stages		•	If bluish-green leaves are observed, apply SSP or DAP along
				with 2/3 rd of Urea to rejuvenate the plant from phosphorus
				deficiency
Groundnut	Vegetative		•	Do not disturb the soil after 40-45 DAS of groundnut, it will
	stage			affect the pod formation adversely
			•	On sunny day spray triazophose@2ml/lit water in young
				seedlings.
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
				VR-708 can be carried out without delay.
			•	If already sown, maintain proper drainage
			VEGET	TABLES
Pre-summer	Seedling/	Aphids in	•	If previous crop damaged by rainfall, re-sowing of Okra,
vegetables	vegetative	Cucurbitaceous		blackgram and other vegetables recommended
		crops/	•	Provision of drainage to remove excess water followed by
		Dainial Chast		earthing up in vegetables.
		Brinjal Shoot & Fruit borer	•	In cucurbitaceous crops like bottle gourd, cucumber, ridge
		& Truit boici		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
		HODE		borer.
C:	M 11 / C 11:		1	URAL CROPS
Citrus	Marble/ Seedling	Citrus Canker	•	Avoid water stagnation near the tree trunk
			•	Remove water shoots and any other shoots below the budded area.
			•	To check fruit drop, spray with 1.5g 2,4-D or Gibberelic
				Acid (GA) with 100 gms Carbendazim and 1 kg Urea
				mixed in 100 liters of water
			•	Prune all canker affected branches and leaves and burn
				them. Spray copper oxychloride (180 gms) with
				Streptocycline (6 gms) per 60 liters water.
Large Cardamom	Sowing/		•	If damaged by heavy rainfall, re-sowing is recommended at
	germination			earliest The direction of eximons process heing 2.4 months
			•	The duration of primary nursery being 3-4 months.
Ginger/Turmeric	Seedling		•	Provide adequate drainage Proper drainage to be done and avoid water stagnation
Jingor/ I difficile	Securing			Earthing up of ginger/turmeric along with basal application of
				required fertilizer should be done
Banana	Immature		•	Planting of banana making pit maintaining at a spacing of 2.5
				X 2.5 meter plant to plant and row to row distance.
1			-	Denovelling (nomeyel of male had) to improve hand
			•	Denavelling (removal of male bud) to improve bunch
				weight Bagging of bunches to protect against unusual rainfall.

Orchards	1		Prepare half moon terraces in fruit crops		
Ofcharus			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent 		
			nutrient loss during heavy downpour.		
			Follow proper drainage and earthing up practices in low		
			land/plain areas to avoid water stagnation in fruit orchards		
			Honey Bees		
Honey bees			Box must be covered with straw/dry leaves to provide		
			warmth		
			Provide sugar syrup		
			LIVESTOCKS		
Livestock	Stage	Disease	Precautionary Practices to be followed		
Fishery	Fingerlings	Discuse	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice		
r isher y	ringerings		daily advocated for healthy fingerlings		
Dies	A 11 oto coo	EMD (high favor	· · · · · · · · · · · · · · · · · · ·		
Pigs	All stages	FMD (high fever and appearance	1		
		of mucous	• 1 st injection at 6 months of age and 2 nd injection at 12 months		
		membrane of the	of age followed by annual vaccination under vet supervision against FMD		
		mouth and foot.)	uguinot i 1712		
		,	 Provide adequate potable water 		
Poultry	All stages		Proper ventilation of shed		
1 outry	i iii stages		 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 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		
N. #12.1		EMD	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. • Pragnent enimals shows 7 months of pragnency should be avoided.		
Contact Scient	tists (ICAD) or	State Agril Staff	• 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					