Agro-met Advisory Bulletin

(Period: 5th to 8th August 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

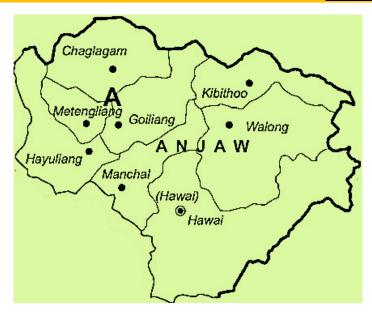


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 62/2017/Fri

Dated: 4th August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
No weather summary available	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 28-33°C and 21-23°C
	respectively. Expected morning and evening relative humidity will
	be 87-96% and 53-87% respectively. Wind direction is mainly ESE
	& E at a speed range of 2-4 kmph.
Warning:	•

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
D:	m:ii :		FIELD CROPS
Rice	Tillering stage	Gundhi bug	Hang dead frog in the field against gundhi bug
			Weeding in WRC in order to enhance tillering and growth
			for higher yield.
			Maintain periphery of nursery field weed free and clean to
Pulses	Elevyenine	Blister beetle	prevent disease and pest harboring in weeds.
Fuises	Flowering	blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge
			lose in harvest
Jhum field	Tillering	Grasshopper/	Grasshopper infestation: Bund racking followed by
		Thrips and	incorporation of Carbofuron 3G.
		Stem borer/	• Keep poison baits (Rice bran 50kg + Jaggery 5kg +
		leaf folder	Monocrotophos 36 SL 625ml + required quantity of water)
		Leaf blast	here and there in field.
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by
			incorporation of Carbofuron 3G
	- · ·		VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents the first to be in a shade the beauty
			fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease
			infestation.
Summer	Multiple stages		Mulching with locally available materials like dry grass/paddy
Vegetables			straw recommended
			Dust ash powder in cucurbits
			Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
			New nursery should be raised inside well covered structure
G: t	**	G C D	with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	Mulching with locally available materials like dry grass/paddy
			 straw recommended For management of soft rot in ginger: Need based drencing of
			• For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
		HOR	FICULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker	Mulching with locally available materials like dry grass/paddy
		Fruit sucking	straw recommended
		moth	• Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6
			gms) per 60 liters water.
			• Fruit sucking moth: Destroy all the fallen fruits by burying
			in the pit. Poison baiting with 20gm Malathion WP or 50
			ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Fruiting		 Mulching with locally available materials like dry grass/paddy
			straw recommended
Banana	Bunching		Desuckering of banana to be done leaving one suckers per
	& planting		plant to maintain the health of mother plant.
			 Remove the male flower in banana bunches to attain better finger/fruit size.
			Remove excess sucker from Banana in mother plant and give
			support in banana bunches to protect falling due to heavy
			weight or storm.
			• Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m
			spacing.
Large Cardamom	Flowering stage		Mulching with locally available materials like dry grass/paddy
		(fungal inection) &	straw recommended
		Chirke and	Remove diseased part & keep inflorescence clean. Need based arrays of breed arrays funcioide like.
		Foorkey (virus	• Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water.
		infection)	

			 Uproot & burn virus infected plants / Spray Imidaclopr 17.8% SL @ 2ml/10 lit at 10-15 days interval. 	
LIVESTOCKS				
Livestock	Stage	Disease	Precautionary Practices to be followed	
Fishery			 Application of quick lime is highly recommended in order rectify water pH. Application of fish feed (mustard oil cake) is essential fachieving higher yield 	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)		
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under v supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet ▶ Day old chick: HVT Marek disease vaccine, 4-7 day F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day F/Lasota, 6-7 weeks: Chicken embryo adopted fowl povaccine and 56-70 days: RD R-2B strain. 	
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months 1st injection followed by annual vaccination under vacupervision Separate sick animals The animal should be washed with lukewarm water added will little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamer short. 	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneo route. Pregnant animals above 7 months of pregnancy should avoided from vaccination. 	

Agro-met Advisory Bulletin

(Period: 5th to 8th August 2017)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

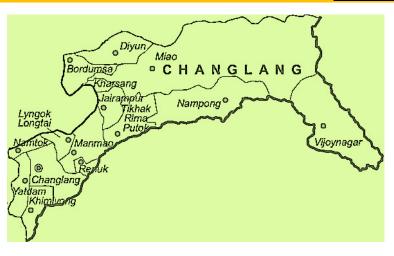


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 62/2017/Fri

Dated: 4th August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = Changlang: NA Miao: NA	Mostly cloudy with possibility of moderate to rather heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 30-32°C and 23-25°C respectively. Expected morning and evening relative humidity will be 89-99% and 65-96% respectively. Wind direction is mainly SE & E with speed range of 2-4 kmph.
Warning	•

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	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Maize	Fruiting	Grasshopper	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		Mulching with locally available materials like dry grass/paddy straw recommended
			 Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
			TCULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple Banana	Harvesting Bunching & planting		 Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting. Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to

Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water.
Ginger/Turmeric	Seedling	Infection)	 Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval. Mulching with locally available materials like dry grass/paddy
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
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Suge	Distast	 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for
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 Contact Scien	All stages	FMD State Agril Staff	 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. for KVK staff for measures against adverse conditions or call
at 03795-226237/226247			

 $Contact: \hbox{-} \ \underline{IAAS.BASAR@gmail.com}, Phone \ Number: \hbox{-} \ 03795\hbox{-} 226247/37, \hbox{-} 96 \ (Fax)$

Agro-met Advisory Bulletin

(Period: 5th to 8th August 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: 62/2017/Fri Dated: 4th August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA (Anini)	Mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 21-22°C respectively. Expected morning and evening relative humidity will be 90-98% and 47-83% respectively. Wind direction is mainly ENE with speed range of 2-4 kmph.
Warning:	•

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
D:	Till	C 11 1 1	FIELD CROPS
Rice	Tillering stage	Gundhi bug	Hang dead frog in the field against gundhi bug
			Weeding in WRC in order to enhance tillering and growth
			for higher yield.
			 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of
	_	Spot/tikka disease	water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because
	_		the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Tillering	Grasshopper/	Grasshopper infestation: Bund racking followed by
		Thrips and	incorporation of Carbofuron 3G.
		Stem borer/	• On clear dry weather, spray Flubendiamide 3.5% and
		leaf folder	Hexaconazole 5% against blast and leaf folder
		Leaf blast	• Keep poison baits (Rice bran 50kg + Jaggery 5kg +
			Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
			• Spray Triazophos 40 EC@4ml/lit water against thrips & stem
			borer.
			VEGETABLES
Tomato	Fruiting		• Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Mulching with locally available materials like dry grass/paddy
Vegetables	stages		straw recommended
Vegetables	Stages		Silaw Too Sililionada
			Dust ash powder in cucurbits
			Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
			 New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	_	Soft Rot	Mulching with locally available materials like dry grass/paddy straw recommended
	stage		Cultural practice like weeding/earthing up is
			recommended followed by basal dose of fertilizers
			• For management of soft rot in ginger: Need based
			drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g
			per lit of water.
			FICULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker	Avoid water stagnation near the tree trunk
		Emit analise	Remove water shoots and any other shoots below the budded
		Fruit sucking moth	area.Prune all canker affected branches and leaves and burn them.
		moui	• Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6
			gms) per 60 liters water.
			• Fruit sucking moth: Destroy all the fallen fruits by burying
			in the pit. Poison baiting with 20gm Malathion WP or 50
			ml Diazinon mixed with 200gms gur and some orange juice
Ginger/Turmeric	Seedling		 in two litres of water placed in a tray. Mulching with locally available materials like dry grass/paddy
			straw recommended
			Proper drainage to be done and avoid water stagnation Forthing and of cineral transports along with basel and instinct of the control o
			• Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Pineapple	Active		Remove excess suckers and spray NAA@100ppm to
- mouppie	vegetative		increase fruit size and improve quality.
1	<u> </u>	1	

Apple	Bunching & planting Vegetative	Wooly aphids	 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Swab the stem with mineral oil against wooly aphid.
Honey bees			In case of rain provide sugar syrup
7.	- Ct		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			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or Sta	ate Agril Staff or 1	KVK staff for measures against adverse conditions or call at 03795- 226237/226247

Agro-met Advisory Bulletin

(Period: 5th to 8th August 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-23°C and 17-18°C respectively. Expected morning and evening relative humidity will be 91-98% and 61-86% respectively. Expected wind direction is variable with speed range of 2-3 kmph.
Warning:	•

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	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
			VEGETABLES
Summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Mulching with locally available materials like dry grass/paddy straw recommended 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 Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
Pineapple	Active vegetative		 Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.

Ginger/Turmeric Orchards	Seedling		 Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 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			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

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

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

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Past weather summary not available	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is predicted to be 29-31°C and 23-24°C respectively. Expected morning and evening relative humidity will be 91-96% and 54-82% respectively. Wind direction is mainly W & WSW with speed range of 2-4 kmph.
Warning	•

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
Maize	Fruiting	Grasshopper	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/	Grasshopper infestation: Bund racking followed by
		Thrips and	incorporation of Carbofuron 3G.
		Stem borer/	• On clear dry weather, spray Flubendiamide 3.5% and
		leaf folder	Hexaconazole 5% against blast and leaf folder
		Y 011	Keep poison baits (Rice bran 50kg + Jaggery 5kg +
		Leaf blast	Monocrotophos 36 SL 625ml + required quantity of water
			here and there in field.
			 Spray Triazophos 40 EC@4ml/lit water against thrips & sten borer.
Pulses/Ground	Vegetative	Epicauta	Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	• Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
	_		settle in soybean
			Gap filling is recommended in the early sown crop
			Manual weeding in greengram/blackgram
Rice	Transplanting/		Need-based application of carbendazim@2gm/lit with
	Tillering stage		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 o
			transplanting or liquid formulation of bio-NPK @ 2-3
			ml/lit water
			VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, bu
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Mulching with locally available materials like dry grass/paddy
Vegetables	stages		straw recommended
			Dust ash powder in cucurbits
			Use pheromone traps/light traps against brinjal shoot and fruit traps.
			borer.
			New nursery should be raised inside well covered structure
G : /: :	***	0.05	with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative	Soft Rot	Mulching with locally available materials like dry grass/paddy
	stage		straw recommended
			Cultural practice like weeding/earthing up is
			recommended followed by basal dose of fertilizers
			For management of soft rot in ginger: Need based
			drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g
		TECHN	per lit of water.
Longo Condense	Elowerine -t		CICULTURAL CROPS Mulahing with levelly queilable materials like day gross (as del-
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection)	Mulching with locally available materials like dry grass/paddy
		&	Straw recommended
		Chirke and	Remove diseased part & keep inflorescence clean.
		Foorkey (virus	Need based spray of broad spectrum fungicide like sorthandaring @2a/lite of materia.
		infection)	carbendazim @2g/lit of water.
			Uproot & burn virus infected plants / Spray Imidaclopric 17.8% SL @ 2ml/10 lit at 10.15 days interval
Dingonnlo	Active		17.8% SL @ 2ml/10 lit at 10-15 days interval.
Pineapple			Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Citrus	vegetative Marble/ Seedling	Citma Contra	increase fruit size and improve quality.
Ciuus	wiarbie/ Seedling	Ciuus Canker	Avoid water stagnation near the tree trunk Perpaya water shoots and any other shoots helpy the hydder
		Fruit sucking	 Remove water shoots and any other shoots below the budded area.
<u> </u>	<u> </u>		шош

Banana	Bunching & planting	moth	 Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray. Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m
Ginger/Turmeric	Seedling		 x 3m spacing. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of
			required fertilizer should be done
			 Honey Bees Box must be covered with straw/dry leaves to provide
			warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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 All stages	FMD	 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 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
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.

• Pregnant animals above 7 months of pregnancy should be avoided.

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

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

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 61/2017/Tue

Dated: 1st August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the following
	period is predicted to be 28-30°C and 22-23°C respectively. Expected
	morning and evening relative humidity will be 88-97% and 66-91%
	respectively. Wind direction is mainly E & ESE with speed range of
	2-3 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

- 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	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
			 Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
		HORT	TCULTURAL CROPS
Pineapple	Harvesting		Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
Banana	Bunching & planting		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. 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 • Mulching with locally available materials straw recommended	s like dry grass/paddy
Honey Bees	
Honey bees • Provide sugar syrup near the box	
Add insulation and ventilation systems	
LIVESTOCKS	
Livestock Stage Disease Precautionary Practices to be for	ollowed
Fishery • Application of quick lime is highly recom rectify water pH.	nmended in order to
	1) ' ' ' ' 1 C
Application of fish feed (mustard oil call) Application of fish feed (mustard oil call)	ike) is essential for
achieving higher yield	
Pigs All stages FMD (high fever and appearance and appearance stage) All stages FMD (high fever and appearance stage) **Example 1.5 **Injection at 6 months of age and 2 injection at 6 months of a injection at	-4:
and appearance of mucous and appearance of mucous age followed by annual vaccination under verification and appearance age followed by annual vaccination under verification.	
membrane of the FMD	et supervision against
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	d do not rear birds of
different age groups together.	
Avoid overcrowding.	1 1 .
Provide broad-spectrum antihelminthic supervision and recommended doses.	drugs under vet
Provide adequate clean drinking water+ele vitamins	ectrolyte and multi-
 Vaccination as per the schedule with proper co ➤ Day old chick: HVT Marek disease 	
F/Lasota, 14-18 days: Intermediate plus/I	•
F/Lasota, 6-7 weeks: Chicken embryo	· ·
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 fe	eed
• 1 st injection at 6-8 weeks of age, 2 nd injection	
1 st injection followed by annual vacc	cination under vet
supervision	
 Separate sick animals The animal should be washed with lukewar 	rm water added with
little potash (KMnO ₄) or neem leaves	ini water auded with
Long hair near the udder/stomach/back leg	gs should be teamed
short.	,
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: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of moderate to rather heavy
	rainfall. Daily maximum and minimum temperature for the
	following period is predicted to be 27-28°C and 22-23°C
	respectively. Expected morning and evening relative humidity will be
	85-98% and 45-90% respectively. Wind direction is mainly ENE and
	E with speed range of 2-4 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem
			borer.
			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.
			TCULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Harvesting		 Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
Banana	Bunching & planting		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) &	Mulching with locally available materials like dry grass/paddy straw recommended

Orchards Honey bees		Chirke and Foorkey (virus infection)	 Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval. 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 Box must be covered with straw/dry leaves to provide
			warmth
T' what	G4		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
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
Contact Scient	All stages	FMD Stote A wil Stoff	 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. or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 23-24°C and 16-17°C respectively. Expected
	morning and evening relative humidity will be 92-98% and 56-90%
	respectively. Wind direction is mainly W & SSW with speed range
	of 2-3 kmph.
Warning:	•

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

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Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Rice	Tillering stage	Gundhi bug	FIELD CROPS • Hang dead frog in the field against gundhi bug
Rice	Thermig stage	Gundin bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. If dry weather prevails, foliar spray 1% urea is recommended Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Maize	Fruiting	Grasshopper	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised had to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 with a raised bed to protect against continuous rain/shower. Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
			ICULTURAL CROPS
Pineapple	Fruiting/Harves ting		Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 avoid entry of microorganisms which accelerates rotting. Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50

			ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Banana	Bunching & planting		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Ginger/Turmeric	Seedling		 Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
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
Toko palm	Nursery		Agroforestry Filling of nursery polybags for raising of takopalm seedlings
T esse p mass	- 1.0.2.2.2.3		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			 Application of quick lime is highly recommended in order to rectify water pH.
			 Application of fish feed (mustard oil cake) is essential for achieving higher yield
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 achieving higher yield 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%
Poultry	All stages All stages	and appearance of mucous membrane of the	 achieving higher yield 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 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun	FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (I		f or KVK staff for measures against adverse conditions or call 3795-226237/226247

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

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 62/2017/Fri Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
NA	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 31-33°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 90-97% and 58-87%
	respectively. Expected wind direction variable with speed range of
	2-6 kmph.
Warning:	•

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
5.		a	FIELD CROPS
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. If dry weather prevails, foliar spray 1% urea is recommended Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
			VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
			 the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to
			disease infestation.
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
D: 1		HORT	TCULTURAL CROPS
Pineapple	Fruiting/Harves ting		 Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.

D	D 11	ı	
Banana Ginger/Turmeric	Bunching & planting Seedling		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
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
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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 (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 Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

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

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 18-19°C and 13-14°C respectively. Expected
	morning and evening relative humidity will be 91-97% and 70-83%
	respectively. Wind direction is variable with probable speed range
	of 2-4 kmph.
Warning:	•

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
Стор	Stage		FIELD CROPS
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Nursery/transpl anting/Tillering stage		 If dry weather prevails, foliar spray 1% urea is recommended 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	Fruiting	Grasshopper	If dry weather prevails, foliar spray 1% urea is recommended
			• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		 Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
			ICULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water.

			• Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
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			Provide sugar syrup near the box
			Add insulation and ventilation systems **INDECTOR ON CO. **TOTAL ON CO.
T' value	C4	Diaman	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			Application of quick lime is highly recommended in order to To a stiff whether TI.
			rectify water pH.
			 Application of fish feed (mustard oil cake) is essential for achieving higher yield
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	• 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
		mouth and foot.)	The date of the first of the experience of the e
Doulter	All stages		Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun Contact Scienti	ists (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. For KVK staff for measures against adverse conditions or call
Contact Science	(10111) 01	0	3795-226237/226247

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 31-33°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 94-99% and 73-97%
	respectively. Wind direction is mainly SE & S with speed range of
	2-6 kmph.
Warning:	•

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
D.			FIELD CROPS
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. If dry weather prevails, foliar spray 1% urea is recommended Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Maize	Fruiting	Grasshopper	If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
			VEGETABLES
Tomato	Fruiting Multiple		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation. Mulching with locally available materials like dry grass/paddy
Vegetables	stages		 straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
C'.	M 11 / 2 ***		TCULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.

	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
Pineapple	Active vegetative		 Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers and spray NAA@100ppm to
Banana	Bunching & planting		 increase fruit size and improve quality. Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
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
			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.
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		•	rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield			
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 Scientis	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call					

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = NA	Mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 20-21°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 84-96% and 49-72%
	respectively. Wind direction is variable with speed range of 2 kmph.
Warning:	•

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	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Transplanting/ Tillering stage		 If dry weather prevails, foliar spray 1% urea is recommended 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
T	Emailina		VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Pineapple	Active	HURT	TCULTURAL CROPS
псарре	vegetative		• Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.

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Banana Citrus Ginger/Turmeric	Bunching & planting Marble/ Seedling Seedling	Citrus Canker Fruit sucking moth	 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray. Proper drainage to be done and avoid water stagnation
			 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
			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 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			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield

Mithun		FMD	•	Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.	
			•	Pregnant animals above 7 months of pregnancy should be avoided.	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call					
at 03795-226237/226247					

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 5th to 8th August 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

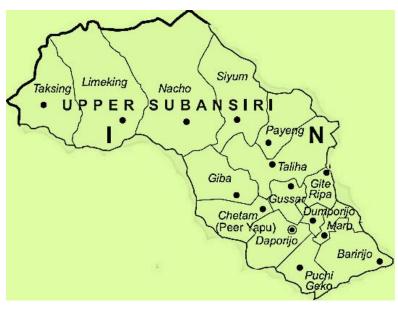


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Daporijo: NA	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 21-22°C and 15-16°C respectively. Expected
	morning and evening relative humidity will be 96-99% and 57-93%
	respectively. Expected wind direction is mainly WSW & WNW
	with speed range of 2-3 kmph.
Warning	•

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Maize	Fruiting	Grasshopper	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Transplanting/ Tillering stage		 If dry weather prevails, foliar spray 1% urea is recommended 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
			VEGETABLES
Tomato	Fruiting Multiple		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation. Mulching with locally available materials like dry grass/paddy
Vegetables	stages		 straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Langa Candana	Flowering		
Large Cardamom		Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6

				 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Pineapple	Fruiting/Harves ting			• Harvesting to be done by keeping an inch of fruit stalk to avoid entry of microorganisms which accelerates rotting.
Banana	Bunching & planting			 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Orchards			Ш	 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 Ioney Bees
Honey bees				Provide sugar syrup near the box
			II	Add insulation and ventilation systems VESTOCKS
Livestock	Stage	Disease	1/1	Precautionary Practices to be followed
Fishery	Suge	Discuse	•	Application of quick lime is highly recommended in order to
j				rectify water pH.
			•	Application of fish feed (mustard oil cake) is essential for achieving higher yield
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	•	Keep the houses dry and clean. 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 Reduce concentrate diet up to 5%
Poultry	All stages		•	Provide adequate potable water Proper ventilation of shed
	7 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 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 (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 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: 5th to 8th August 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: 62/2017/Fri

Dated: 4th August, 2017



Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Rainfall = Bomdila: NA; Bhalukpong: NA	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 19-20°C and 15-16°C respectively. Expected
	morning and evening relative humidity will be 91-98% and 67-87%
	respectively. Wind direction is mainly SSW & SW with speed range
	of 2-3 kmph.
Warning:	•

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
C. OP			FIELD CROPS
Maize	Fruiting	Grasshopper	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Transplanting/ Tillering stage		 If dry weather prevails, foliar spray 1% urea is recommended 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
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
		HORT	TICULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.

Pineapple	Active		• Mulabina with levelly available materials lily due and a de-
Ппеарріе	vegetative /		 Mulching with locally available materials like dry grass/paddy straw recommended
	Fruiting		 Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		per plant to maintain the health of mother plant.
			 Remove the male flower in banana bunches to attain better finger/fruit size.
			 Remove excess sucker from Banana in mother plant and
			give support in banana bunches to protect falling due to
			heavy weight or storm.Sword suckers with stout base, tapering towards the top
			with narrow leaves should be selected for planting at 3m
			x 3m spacing.
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
Apple	Vegetative	Wooly aphids	 land/plain areas to avoid water stagnation in fruit orchards Swab the stem with mineral oil against wooly aphid.
		J 1	
** 1		T	Honey Bees
Honey bees			Provide sugar syrup near the boxAdd insulation and ventilation systems
			·
	g.		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			 Application of quick lime is highly recommended in order to rectify water pH.
			• Application of fish feed (mustard oil cake) is essential for
Pigs	All stages	FMD (high fever	achieving higher yieldKeep the houses dry and clean.
1163	7 III stages	and appearance	• 1st injection at 6 months of age and 2 nd injection at 12 months
		of mucous	of age followed by annual vaccination under vet supervision
		membrane of the mouth and foot.)	against FMD
		membrane of the	against FMD
Poultry	All stages	membrane of the	 against FMD Reduce concentrate diet up to 5% Provide adequate potable water Proper ventilation of shed
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Poultry	All stages	membrane of the	 against FMD Reduce concentrate diet up to 5% 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
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Ī				of age and repeat after that 6 months interval by sub-cutaneous route.		
			•	Pregnant animals above 7 months of pregnancy should be avoided.		
	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call					
	at 03795-226237/226247					

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 5th to 8th August 2017)



ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Siang

No: 62/2017/Fri

Dated: 4th August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 9 th August 2017
Basar: Rainfall = 66.1 mm. T. Max: 28.5°C,	Mostly cloudy with possibility of moderate rainfall. Daily
T. Min: 21.7°C, RH: 76-92%, Wind Speed:	maximum and minimum temperature for the following period is
2-6 kmph, Wind Direction: NW & WNW	predicted to be 22-24°C and 16-17°C respectively. Expected
Aalo: NA	morning and evening relative humidity will be 95-99% and 55-93%
	respectively. Wind direction is variable with speed range of 2 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Weeding in WRC in order to enhance tillering and growth for higher yield. If dry weather prevails, foliar spray 1% urea is recommended Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
Groundnut	Flowering	Leaf Spot/tikka disease	On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water
Pulses	Flowering	Blister beetle	Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in harvest
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	 If dry weather prevails, foliar spray 1% urea is recommended Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
			VEGETABLES
Tomato	Fruiting Multiple		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation. Mulching with locally available materials like dry grass/paddy
Vegetables	stages		 straw recommended Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Mulching with locally available materials like dry grass/paddy straw recommended Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Pineapple	Fruiting/Harves		Harvesting to be done by keeping an inch of fruit stalk to
Banana	ting Bunching & planting		 avoid entry of microorganisms which accelerates rotting. Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m x 3m spacing.
Citrus	Marble/ Seedling	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Fruit sucking moth: Destroy all the fallen fruits by burying in the pit. Poison baiting with 20gm Malathion WP or 50 ml Diazinon mixed with 200gms gur and some orange juice in two litres of water placed in a tray.
Ginger/Turmeric	Seedling		 Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit of water. Uproot & burn virus infected plants / Spray Imidacloprid 17.8% SL @ 2ml/10 lit at 10-15 days interval.
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
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			 Application of quick lime is highly recommended in order to rectify water pH. Application of fish feed (mustard oil cake) is essential for achieving higher yield
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 (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 Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				

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

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