Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017) ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA



(Integrated Agro-Meteorological Advisory Services)

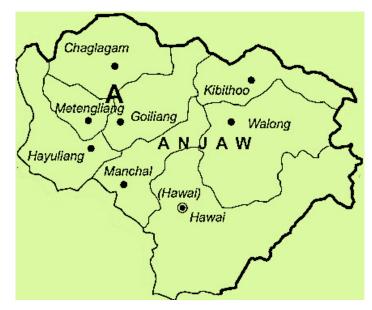


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 67/2017/Tue

Dated: 22nd August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
No weather summary available	Partly/mostly cloudy with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 31-32°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 83-90% and 50-58%
	respectively. Wind direction is mainly E at a speed range of 3-5
	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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
1	8		FIELD CROPS
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Pulses	Fruiting	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	Anthesis/ Ripening	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.
Tomato	Emiting		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 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 For management of soft rot in ginger: Need based drencing of
		UODI	Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water. ICULTURAL CROPS
Kiwi	Vegetative	HUKI	 Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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 & 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.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean.

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

Agro-met Advisory Bulletin

(Period: 23rd to 25th 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: Changlang

<u>No: 67/2017/Tue</u>

Dated: 22nd August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = Changlang: NA Miao: NA	Partly/mostly cloudy with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 31-32°C and 23-24°C respectively. Expected morning and evening relative humidity will be 84-93% and 51-71% respectively. Wind direction is mainly E & ESE 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
I ,			FIELD CROPS
Jhum field	Ripening/ harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 On clear/dry weather harvest the early sown crop 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.
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
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. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended 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.
		-	ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and	 Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean.

		Foorkey (virus infection)	• Uproot & burn virus infected plants
Ginger/Turmeric	Seedling		 Mulching with locally available materials like dry grass/paddy straw recommended
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	Stago	Disease	Precautionary Practices to be followed
Fishery	Stage	Disease	 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 (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.



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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

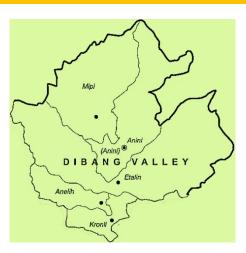


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Dibang Valley

<u>No: 67/2017/Tue</u>

Dated: 22nd August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 2.0 mm (Anini)	Partly 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 86-92% and 42-49% respectively. Wind direction is mainly ENE with speed range of 5-8 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

Rice Tillering stage Gundh buy leaf folder • Hang dead frog in the field spainst gundhi bug Rice Tillering stage Gundh buy leaf folder • Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Jhum field Anthesis/ Ripening Grasshopper/ Stem borer/ leaf folder • Grasshopper infestation: Bund racking followed by stem borer/ leaf folder Jhum field Anthesis/ Ripening Grasshopper infestation: Bund racking followed by stem borer/ leaf folder • Grasshopper infestation: Bund racking followed by steckers, spray Plubendimationed 3.5% and Hexaconazol 5% against blast and leaf folder Pulses Flowering Blister beetle • Go for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge tose in harvest Tomato Fruiting • Removing sideshoots is an important job which prevents the fruits being shaded by leaves. • As temperatures rise, keep watering your plants, but avoic watering the leaves excessively that may lead to disease infectation. Summer Vegetables Vegetative stage Soft Rot • Mulching with locally available materials like dry grass/paddy straw recommended followed by basal dose of fortilizers Citrus Fruit development stage Citrus Canker • Avoid water stagnation near the treatmk. Fruit stage Citrus	Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Image: Second	*			
Ripening Thrips and Stem bory: Leaf folder In incorporation of Carboluron 3G. Incorporation of Carboluron 3G. Leaf blast If infestation is high, on clear dry weather or using sciences, spray Prubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Pulses Flowering Blister beetle Keep poison baits (Rice bran 50kg + Juggery 5kg + Monocrotophos 36 SL 625m1 + required quantity of water here and there in field. Pulses Flowering Blister beetle G for manual picking of Blister beetle without delay because the incidence of the pest during flowering stage cause huge lose in hurvest Tomato Pruiting Removing sideshoots is an important job which prevents the fruits being staded by leaves. Summer Multiple stages Removing sideshoots is an important job which prevents the fruits being staded by leaves. Summer Vegetative stage Soft Rot Mulching with locally available materials like dry grass/paddy straw recommended Summer Vegetative stage Soft Rot Mulching with locally available materials like dry grass/paddy straw recommended Citrus Fruit development stage Citrus Canker Anold water stagnation near the tree trunk. Remove water shoos from the ingerer. Fruit sucking Citrus Canker Citrus Canker Anold water stagnation near the tree trunk. Remove water shoos from the irees.	Rice	Tillering stage	•	 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf
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 hurvest Tomato Fruiting • Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Summer • Multiple stages • Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Summer • Multiple stages • Multiple stages • Multiple stages Vegetables • Multiple stages • Multiple stages • Multhing with locally available materials like dry grass/paddy straw recommended Signer/turmeric Vegetative stage Soft Rot • Multhing with locally available materials like dry grass/paddy straw recommended Citrus Fruit development stage Citrus Canker • Multhing with locally available materials like dry grass/paddy straw recommended Citrus Fruit development stage Citrus Canker • Mort Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers Citrus Fruit sucking moth • Avoid water stagnation near the tree trunk. Fruit stage Fruit sucking moth • Avoid water stagnation near the tree trunk. Ginger/Turmeric Seedling • Avoid water stagnation	Jhum field		Thrips and Stem borer/ leaf folder	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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)
Tomato Fruiting VEGETABLES Tomato Fruiting Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Summer Multiple stages As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation. Summer Multiple stages Multiple stages Multiple with locally available materials like dry grass/paddy straw recommended Use pheromene traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to proteet against continuous rain/shower. Ginger/turmeric Vegetative stage Soft Rot Multing with locally available materials like dry grass/paddy straw recommended Citrus Fruit Citrus Canker Avoid water stagnation near the tree trunk. Ginger/Turmeric Seedling Citrus Canker A void water stagnation near the trees. Ginger/Turmeric Seedling Citrus Canker A void water stagnation near the trees. Ginger/Turmeric Seedling Citrus Canker A void water stagnation near the trees. Ginger/Turmeric Seedling Output such astopeooptic 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
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CitrusFruit development stageCitrus Canker Fruit sucking moth• Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them On clear/dry weather, 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 200gm Malathion WP or 50 ml Diazinon mixed with 200gm gur and some orange juice in two litres of water placed in a tray.Ginger/TurmericSeedling• 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 doneBananaBunching & 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 the male flower in banana bunches to protect falling due to heavy weight or storm.	Ginger/turmeric	Vegetative stage		 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.
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Honey Bees	Apple	Vegetative	Wooly aphids	

ney bees			In case of rain provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months age followed by annual vaccination under vet supervision again FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under v supervision and recommended doses. Provide adequate clean drinking water+electrolyte and mulvitamins Vaccination as per the schedule with proper consultation with ve > Day old chick: HVT Marek disease vaccine, 4-7 day F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day F/Lasota, 6-7 weeks: Chicken embryo adopted fowl p vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed 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 v supervision Separate sick animals The animal should be washed with lukewarm water added wi little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be team short.
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
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 mont of age and repeat after that 6 months interval by sub-cutaneo route.

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(Period: 23rd to 25th August 2017)



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(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

<u>No: 67/2017/Tue</u>

<u>Dated: 22nd August, 2017</u>



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall =0.0mm	Partly/mostly cloudy with possibility of light rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 21-22°C and 16-17°C respectively. Expected
	morning and evening relative humidity will be 84-93% and 50-64%
	respectively. Expected wind direction is mainly SE speed range of
	3-5 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

Jhum field	Anthesis/		FIELD CROPS
Jhum field	Anthesis/		
	Ripening	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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.
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
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. Use pheromone traps/light traps against brinjal shoot and fruit borer.
		ЦОРТ	
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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. Uproot & burn virus infected plants
Pineapple	Active vegetative	incention)	 Mulching with locally available materials like dry grass/paddy straw recommended Remove excess suckers to increase fruit size and improve quality.
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. Mulching with locally available materials like dry grass/paddy

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

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा







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

District: East Siang

Dated: 22nd August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall: 74.8 mm; T. Max: 34.0°C; T. Min:	Partly/Mostly cloudy with possibility of moderate rainfall. Daily
24.0°C ; RH: 74-100% (up to 18 th Aug)	maximum and minimum temperature for the following period is
	predicted to be 33-34°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 86-96% and 44-68%
	respectively. Expected wind direction mainly W with speed range of
	2-4 kmph.
Warning:	•

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

- 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

No: 67/2017/Tue

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
	<u> </u>		FIELD CROPS
Jhum field	Ripening/ Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 On clear/dry day, harvesting can be done for early sown crop 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/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
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
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
			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		 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	
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
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. Uproot & burn virus infected plants.

Ginger/Turmeric	Seedling		• Proper drainage to be done and avoid water stagnation
			 Earthing up of ginger/turmeric along with basal application o required fertilizer should be done
			Honey Bees
Honey bees			On prolong rain, provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
	Stage	Disease	Application of quick lime is highly recommended in order to
Fishery			• Application of quick time is highly recommended in order to rectify water pH.
			• •
			• Application of fish feed (mustard oil cake) is essential for
Dian	A 11 at a casa	EMD (high farrage	achieving higher yield
Pigs	All stages	FMD (high fever and appearance	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age an
		of mucous	age followed by annual vaccination under vet supervision agains
		membrane of the	
		mouth and foot.)	• Reduce concentrate diet up to 5%
			Provide adequate potable water
Poultry	All stages		• Proper ventilation of shed
			Provide vitamin complex and glucose in water
			• Follow 'All in All out' system of rearing and do not rear birds of
			different age groups together.Avoid overcrowding.
			Avoid overcrowding.Provide broad-spectrum antihelminthic drugs under version
			supervision and recommended doses.
			• Provide adequate clean drinking water+electrolyte and multi
			vitamins
			• Vaccination as per the schedule with proper consultation with vet.
			> Day old chick: HVT Marek disease vaccine, 4-7 days
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl po
			vaccine and 56-70 days: RD R-2B strain.
Cattle	A 11 at a casa	EMD	Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed
			 Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of
			1 st injection followed by annual vaccination under ve
			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 teamer short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 month
			of age and repeat after that 6 months interval by sub-cutaneou
			route.
			• Pregnant animals above 7 months of pregnancy should be avoided
Contact Scienti	sts (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा





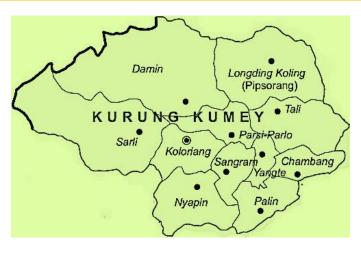


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Kurung Kumey

<u>No: 67/2017/Tue</u>

Dated: 22nd August, 2017



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

Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Past weather summary not available	Partly/mostly cloudy with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 26-27°C and 18-19°C respectively. Expected
	morning and evening relative humidity will be 88-92% and 46-62% respectively. Wind direction is mainly WSW & W with wind speed range of 3-6 kmph.
Warning	Heavy rainfall in very likely in few isolated places

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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Di	77:11		FIELD CROPS
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Jhum field	Anthesis	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather or using sticker, 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.
		•	VEGETABLES
Tomato Summer Vegetables	Fruiting Multiple stages		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide covers to avoid exposure to excess rainfall Mulching with locally available materials like dry grass/paddy straw recommended 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 For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
		HORT	ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
Kiwi	Vegetative		 Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw to protect from heavy rainfall
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. Uproot & burn virus infected plants
Pineapple	Active vegetative	,	• Remove excess suckers 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. 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	Vegetative		 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.)	
Poultry	All stages		 Provide adequate potable water Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा







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

District: Lohit

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 7.2 mm (up to 18 th Aug)	Partly/mostly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 27-28°C and 21-22°C respectively. Expected morning
	and evening relative humidity will be 84-92% and 53-65%
	respectively. Wind direction is mainly E with speed range of 3-4
	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.

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
~~vP	~~~8~		FIELD CROPS
<i>Jhum</i> field	Anthesis/ Ripening	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather or using sticker, 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.
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
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 Summer Vegetables	Fruiting Multiple stages		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall 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.
		HORT	ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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
Banana	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 excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.
Ginger/Turmeric	Active vegetative		Mulching with locally available materials like dry grass/paddy straw recommended
			Honey Bees
Honey bees			• Provide sugar syrup near the box
			Add insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			 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

		 age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages	 Provide adequate potable water Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. > Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	 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.
Contact Scier	ntists (ICAR) or	 or KVK staff for measures against adverse conditions or call 795-226237/226247

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

<u>No: 67/2017/Tue</u>

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 2.1 mm (Roing) (up to 18th Aug)	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 24-25°C and 19-20°C respectively. Expected morning
	and evening relative humidity will be 78-90% and 42-54%
	respectively. Wind direction is mainly E & ENE with speed range of
	3-6 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
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	Ripening / Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Harvesting can be done on clear/dry weather Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using sticker, 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.
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot	 If damaged by heavy rainfall, Okra can be sown again Provision of drainage to remove excess water followed by earthing up in vegetables. Use pheromone traps/light traps against brinjal shoot and fruit borer.
		& Fruit borer	ICULTURAL CROPS
Citrus	Fruit	Citrus Canker	Avoid water stagnation near the tree trunk.
	development stage	Fruit sucking moth	 Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
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. Uproot & burn virus infected plants
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

Livestock Pigs	Stage All stages	Disease FMD (high fever and appearance of mucous membrane of the	 warmth LIVESTOCKS Precautionary Practices to be followed Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of
	0	Disease FMD (high fever and appearance of mucous	Precautionary Practices to be followed Keep the houses dry and clean.
	0	FMD (high fever and appearance of mucous	• Keep the houses dry and clean.
Pigs	All stages	and appearance of mucous	1 2
		membrane of the mouth and foot.)	 age followed by annual vaccination under vet supervision agains FMD Reduce concentrate diet up to 5% Provide adequate potable water
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under versupervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. > Day old chick: HVT Marek disease vaccine, 4-7 days F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days F/Lasota, 6-7 weeks: Chicken embryo adopted fowl po 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
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1 injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added wit little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teame short.
Contact Scienti	sts (ICAR) or		or KVK staff for measures against adverse conditions or call 795-226237/226247

Agrometeorological Field Unit
ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा







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

District: Lower Subansiri

<u>No: 67/2017/Tue</u>

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = NA	Partly/mostly cloudy with possibility of light rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 22-23°C and 16-17°C respectively. Expected
	morning and evening relative humidity will be 88-94% and 47-63%
	respectively. Wind direction is mainly WSW variable with speed
	range of 3-6 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Pulses	Flowering	Blister beetle	 Application of fertilizers and spray operations to be delayed/avoided 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	Anthesis/ Ripening	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excess rainfall
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 For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
C'			ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
Kiwi	Vegetative		 Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
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.

Ginger/Turmeric Large Cardamom Orchards	Seedling Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 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. Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean Uproot & burn virus infected plants 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
			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	 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.

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

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा







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

District: Papum Pare

<u>No: 67/2017/Tue</u>

<u> Dated: 22nd August, 2017</u>



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall: 8.3 mm; T. Max: 36.0°C; T. Min:	Partly/mostly cloudy with possibility of light rainfall. Daily
24.0°C ; RH: 69-87% (up to 18 th Aug)	maximum and minimum temperature for the following period is
	predicted to be 33-34°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 83-91% and 49-60%
	respectively. Expected wind direction is 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
D.:		0 111	FIELD CROPS
Rice	Tillering stage	Gundhi bug	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.
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	Ripening/ Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Harvesting can be done for early sown crops Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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.
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. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended 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	ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
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. Uproot & burn virus infected plants
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.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scient	tists (ICAR) or S		or KVK staff for measures against adverse conditions or call 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा







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

District: Tawang

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
$Rainfall = 2.7 mm(up to 18^{th} Aug)$	Partly/mostly cloudy with possibility of light 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 84-91% and 56-70%
	respectively. Wind direction is variable with probable 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
- All spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Panicle initiation/ anthesis	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
Rice	Tillering stage		 Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice.
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		 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	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
Kiwi	Vegetative		 Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
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. Uproot & burn virus infected plants
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
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed

T		<u>г</u>	
			rectify water pH.
			• Application of fish feed (mustard oil cake) is essential for
			achieving higher yield
Pigs	All stages	FMD (high fever	• Keep the houses dry and clean.
C	C	and appearance	• 1 st 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	against FMD
		mouth and foot.)	• Reduce concentrate diet up to 5%
			Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
			Provide vitamin complex and glucose in water
			• Follow 'All in All out' system of rearing and do not rear birds of
			different age groups together.
			Avoid overcrowding.
			• Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
			• Provide adequate clean drinking water+electrolyte and multi- vitamins
			• Vaccination as per the schedule with proper consultation with vet.
			➢ Day old chick: HVT Marek disease vaccine, 4-7 days:
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days:
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox
			vaccine and 56-70 days: RD R-2B strain.
			• Remove wet litter
Cattle	All stages	FMD	Provide UMB/Molases if possible in the feed
			• Provide 10-30 ml of vitamin B-Complex in feed
			• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st injection followed by annual vaccination under vet
			supervision Semenate sight optimula
			 Separate sick animals The animal should be washed with lukewarm water added with
			• The animal should be washed with lukewarm water added with little potesh (KMnO) or poom logues
			 little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed
			• Long hair hear the udder/stomach/back legs should be teamed short.
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months
			of age and repeat after that 6 months interval by sub-cutaneous
			route.
			• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or	U	or KVK staff for measures against adverse conditions or call 3795-226237/226247



Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा





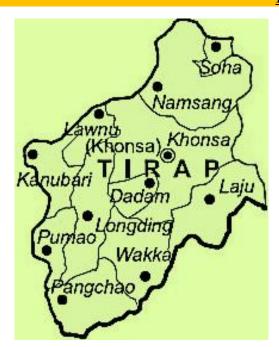


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Tirap

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = 0.0mm (up to 18th Aug)	Partly/mostly cloudy with possibility of light rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 33-34°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 91-96% and 55-73%
	respectively. Wind direction is mainly S 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 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
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	Anthesis/ Ripening	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended 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	ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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. Uproot & burn virus infected plants
Pineapple	Active vegetative		• Mulching with locally available materials like dry grass/paddy straw recommended
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.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to preven nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
			• Box must be covered with straw/dry leaves to provide
			warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 1st injection at 6 months of age and 2nd injection at 12 month 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 o different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under ve supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multi vitamins Vaccination as per the schedule with proper consultation with vet. > Day old chick: HVT Marek disease vaccine, 4-7 days F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days F/Lasota, 6-7 weeks: Chicken embryo adopted fowl poy vaccine and 56-70 days: RD R-2B strain.
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 versupervision 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 teame 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.

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा



(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = NA	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 21-22°C and 15-16°C respectively. Expected
	morning and evening relative humidity will be 79-88% and 41-54%
	respectively. Wind direction is mainly SSE & E with speed range of
	2-5 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
Стор	Stage	I est/Disease	FIELD CROPS
Jhum field	Anthesis	Grasshopper/	Application of fertilizers and spray operations to be
		Thrips and	delayed/avoided
		Stem borer/	• Grasshopper infestation: Bund racking followed by
		leaf folder	incorporation of Carbofuron 3G.
		Leaf blast	• Keep poison baits (Rice bran 50kg + Jaggery 5kg +
		Leaf blast	Monocrotophos 36 SL 625ml + required quantity of water)
			here and there in field.
Groundnut	Pegging	Leaf	• On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of
		Spot/tikka	water
		disease	• Do not disturb the soil structure by spading/hoeing in the field.
			• Hand weeding with care is recommended.
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by
			incorporation of Carbofuron 3G
Pulses/Ground	Vegetative	Epicauta	Gap filling is recommended in the early sown crop
nut	stage	Bettle	Manual weeding in greengram/blackgram
Rice	Tillering stage		• Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			Maintain proper drainage for nursery plot of rice.
	T	I	VEGETABLES
Tomato	Fruiting		• Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• Provide shed with locally available materials to protect
			from excessive rainfall
Summer	Multiple		• Mulching with locally available materials like dry grass/paddy
Vegetables	stages		straw recommended
			• 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	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 per lit of water.
		HORT	TICULTURAL CROPS
Citrus	Fruit	Citrus Canker	Avoid water stagnation near the tree trunk.
	development		• Remove water shoots from the trees.
	stage	Fruit sucking	• Prune all canker affected branches and leaves and burn them.
		moth	On clear/dry weather, 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 nit Design heiting with 20cm Melathian WD or 50 ml
			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.
Kiwi	Vegetative		• Manuring with well decomposed FYM@15kg/plant followed
-			by mulching with paddy straw.
Pineapple	Active		• Mulching with locally available materials like dry grass/paddy
D	vegetative		straw recommended Remove excess suckers
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.

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
			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.)	 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%
D 1/	A 11 4		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 1^s 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			 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 Scienti	sts (ICAR) or	U	or KVK staff for measures against adverse conditions or call 795-226237/226247

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा





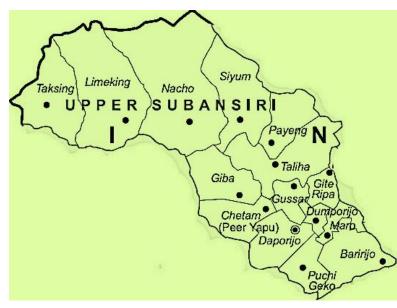


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 67/2017/Tue

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Daporijo: 36.6 mm (up to 18 th Aug)	Partly/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 94-97% and 49-70%
	respectively. Expected wind direction mainly WNW with speed
	range of 2-5 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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Tillering stage	Gundhi bug/ leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Maize	Fruiting	Grasshopper	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Anthesis/ Ripening	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, 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. In infestation is high spray Triazophos 40 EC@4ml/lit water against thrips & stem borer using stickers.
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure
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
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
Kiwi	Vegetative		 Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Mulching with paddy straw. Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
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.

Orchards Honey bees			 Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems
I			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
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Cattle	All stages	FMD	 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	into (ICAD) or	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. or KVK staff for measures against adverse conditions or call

> Agrometeorological Field Unit ICAR, BASAR

कृषि मौसम सलाहकार सेवा पत्रिका

Agro-met Advisory Bulletin

(Period: 23rd to 25th August 2017)



ग्रामीण कृषि मौसम सेवा







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

District: West Kameng

<u>No: 67/2017/Tue</u>

Dated: 22nd August, 2017



Weather summery of the previous week	Weather forecast valid up to 27 th August 2017
Rainfall = Bomdila: NA ; Bhalukpong: 0.0	Partly/mostly cloudy with possibility of light rainfall. Daily
mm (up to 18 th Aug)	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 84-91% and 54-69%
	respectively. Wind direction is mainly ENE & E with speed range of
	2-6 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

Сгор	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
Rice	Tillering stage	Gundhi bug/	• Hang dead frog in the field against gundhi bug
		leaf folder	• Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			• Rice: Spray Triazophos 40EC@4ml/lit water against leaf
			folder.
Groundnut	Pegging	Leaf	• On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of
	888	Spot/tikka	water
		disease	• Do not disturb the soil structure by spading/hoeing in the field.
			 Hand weeding with care is recommended.
Jhum field	Anthesis	Grasshopper/	
Jium neiu	Anthesis	Thrips and	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.
		Stem borer/	L L
		leaf folder	• If infestation is high, on clear dry weather or using
			stickers, spray Flubendiamide 3.5% and Hexaconazole 5%
		Leaf blast	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.
			• In infestation is high spray Triazophos 40 EC@4ml/lit water
			against thrips & stem borer using stickers.
	— ··	1	VEGETABLES
Tomato	Fruiting		• Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• Provide shed to protect from excessive rainfall
Summer	Multiple		• Mulching with locally available materials like dry grass/paddy
Vegetables	stages		straw recommended
			• 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	Soft Rot	
Ginger/turmeric	stage	Son Kot	• 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.
		HOR	FICULTURAL CROPS
Citrus	Fruit	Citrus Canker	• Avoid water stagnation near the tree trunk.
	development		• Remove water shoots from the trees.
	stage	Fruit sucking	• Prune all canker affected branches and leaves and burn them.
		moth	On clear/dry weather, 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 trav
Kiwi	Vegetative		two litres of water placed in a tray.Manuring with well decomposed FYM@15kg/plant followed
121 // 1	v Czeranive		• Manufing with wen decomposed FTM@15kg/plant followed by mulching with paddy straw.
Pineapple	Active		 Mulching with locally available materials like dry grass/paddy
1 meappie	vegetative /		• Mulching with locally available materials like dry grass/paddy straw recommended
	Fruiting		
Banana	Bunching		Desuckering of banana to be done leaving one suckers
Zununu	& planting		per plant to maintain the health of mother plant.
	r-mining		 Remove the male flower in banana bunches to attain
	l		- Remove the mate nower in banana buildies 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.
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards
Apple	Vegetative	Wooly aphids	• Swab the stem with mineral oil against wooly aphid.
		~ 1	
XX 1			Honey Bees
Honey bees			• Provide sugar syrup near the box
			Add insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery			• Application of quick lime is highly recommended in order to
2			rectify water pH.
			• Application of fish feed (mustard oil cake) is essential for
			achieving higher yield
Pigs	All stages	FMD (high fever	• Keep the houses dry and clean.
C	C	and appearance	• 1^{st} 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	against FMD
		mouth and foot.)	• Reduce concentrate diet up to 5%
			Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
	C C		• Provide vitamin complex and glucose in water
			• Follow 'All in All out' system of rearing and do not rear birds of
			different age groups together.
			• Avoid overcrowding.
			• Provide broad-spectrum antihelminthic drugs under vet
			supervision and recommended doses.
			• Provide adequate clean drinking water+electrolyte and multi-
			vitamins
			• Vaccination as per the schedule with proper consultation with vet.
			Day old chick: HVT Marek disease vaccine, 4-7 days: El control 14,18 dans latered into also (DD consistence) 25 dans
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days:
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox
			vaccine and 56-70 days: RD R-2B strain.
			Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed
			Provide 10-30 ml of vitamin B-Complex in feed
			• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of
			1 st injection followed by annual vaccination under vet
			supervision
			Separate sick animals
			• The animal should be washed with lukewarm water added with
			little potash (KMnO ₄) or neem leaves
			• Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months
TAITUIUII			• Polyvalent FMD vacche with service 0, 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 (ICAP) or	State Agril Staff	or KVK staff for measures against adverse conditions or call
Contact Sciell		U	3795-226237/226247
		at 0.	JT J J - ZZ 0 Z J T ZZ 0 Z 4 T



कृषि मौसम सलाहकार सेवा पत्रिका **Agro-met Advisory Bulletin**

(Period: 23rd to 25th August 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA





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

District: West Siang

No: 67/2017/Tue

Dated: 22nd 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 27 th August 2017
Basar: Rainfall = $0.0 \text{ mm. T. Max: } 30.6^{\circ}\text{C}$,	Mostly cloudy with possibility of moderate rainfall. Daily
T. Min: 21.1°C, RH: 62-92%, Wind Speed:	maximum and minimum temperature for the following period is
2-6 kmph, Wind Direction: variable	predicted to be 21-22°C and 16-17°C respectively. Expected
Aalo: NA	morning and evening relative humidity will be 91-97% and 47-64%
	respectively. Wind direction is mainly W with speed range of 2-4
	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

Сгор	Stage	Pest/Disease	Precautionary Practices to be followed
Jhum field	Dimension	Creash arran/	FIELD CROPS
Jium field	Ripening/ Harvesting	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Harvesting can be done on clear/dry weather for early sown crop Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. If infestation is high, on clear dry weather or using stickers, spray Flubendiamide 3.5% and Hexaconazole 5%
Rice	Tillering stage	Gundhi bug/	 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.
Rice	Thering stage	leaf folder	 Hang dead frog in the field against gundhi bug Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Rice: Spray Triazophos 40EC@4ml/lit water against leaf folder.
Groundnut	Pegging	Leaf Spot/tikka disease	 On sunny day, spray carbendazim/Mancozeb @ 1-2 ml/lit of water Do not disturb the soil structure by spading/hoeing in the field. Hand weeding with care is recommended.
Pulses	Flowering	Blister beetle	 Application of fertilizers and spray operations to be delayed/avoided 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. Provide shed to protect from excessive rainfall
Summer Vegetables	Multiple stages		 Mulching with locally available materials like dry grass/paddy straw recommended 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.
			ICULTURAL CROPS
Citrus	Fruit development stage	Citrus Canker Fruit sucking moth	 Avoid water stagnation near the tree trunk. Remove water shoots from the trees. Prune all canker affected branches and leaves and burn them. On clear/dry weather, 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.
Kiwi	Vegetative		• Manuring with well decomposed FYM@15kg/plant followed by mulching with paddy straw.
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.
Ginger/Turmeric	Seedling		 Mulching with locally available materials like dry grass/paddy straw recommended Proper drainage to be done and avoid water stagnation
Large Cardamom	Flowering stage	Chirkey Disease (fungal inection) & Chirke and Foorkey (virus infection)	 Proper dramage to be done and avoid water stagnation Mulching with locally available materials like dry grass/paddy straw recommended Remove diseased part & keep inflorescence clean. Uproot & burn virus infected plants
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
.	<u>a</u> ,	Di	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.)	
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							