Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Dibang Valley

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 6.5 mm	Variable sky with possibility of moderate rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	26-27°C and 22-23°C respectively. Expected morning and evening
	relative humidity will be 75-83% and 40-57% respectively. Wind
	direction is mainly ENE and E with speed range of 4-5 kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Maize	Fruiting	Grasshopper	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut/Soybean	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
			If already sown, maintain proper drainage VEGETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 If damaged by heavy rainfall, Okra can be sown again Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer.
Citmag	Markla/Caadling		ICULTURAL CROPS
Citrus	Marble/ Seedling	Curus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Strentocycline (6 gms) per 60 liters water
Pineapple	Active vegetative		 Streptocycline (6 gms) per 60 liters water. Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and

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

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

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 0.0 mm (Ziro)	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 27-28°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 82-94% and 51-81%
	respectively. Wind direction is mainly W with speed range of 3-6
	kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease		ecautionary Practices to be followed
			ELD CROPS	
Maize	Fruiting	Grasshopper	•	opper infestation: Bund racking followed by ration of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 On clear Hexacon Keep po Monocro here and Spray Tr 	pper infestation: Bund racking followed by ration of Carbofuron 3G. Ar dry weather, spray Flubendiamide 3.5% and nazole 5% against blast and leaf folder roison baits (Rice bran 50kg + Jaggery 5kg + potophos 36 SL 625ml + required quantity of water) there in field. Triazophos 40 EC@4ml/lit water against thrips & stem
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	Spray as settle inGap filling	te earthing up before 45-50 days after sowing. Izadirachtin 0.15 EC@ 1 ml/lit against Epicauta I soybean In soy
Rice	Nursery/transpl anting/Tillering stage		 Need-bas sticker @ Maintain prevent d Maintain Apply re 	transplanting, follow seedling root-dip treatment in riphos 20 EC@ 2ml/10 lit for 12 hrs. ased application of carbendazim@2gm/lit with @2ml/lit to protect seedling from diseases in periphery of nursery field weed free and clean to disease and pest harboring in weeds. In proper drainage for nursery plot of rice. The ecommended dose of NPK in WRC at the time of anting or liquid formulation of bio-NPK @ 2-3 atter
			EGETABLES	8
Tomato	Fruiting		the fruitsAs tempavoid w	ing sideshoots is an important job which prevents to being shaded by leaves. Apperatures rise, keep watering your plants, but watering the leaves excessively that may lead to infestation.
Summer Vegetables	Multiple stages		 Use pher borer. New nur	romone traps/light traps against brinjal shoot and fruit reserve should be raised inside well covered structure aised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Cultural recomme For mandrencing per lit of 	l practice like weeding/earthing up is nended followed by basal dose of fertilizers anagement of soft rot in ginger: Need based g of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g of water.
Dine const	Actions	HORT	CULTURAL C	
Pineapple	Active vegetative		increase	e excess suckers and spray NAA@100ppm to fruit size and improve quality.
Banana	Bunching & planting		 Per plant Remove better fir Remove give sup heavy w Sword st 	ering of banana to be done leaving one suckers at to maintain the health of mother plant. The the male flower in banana bunches to attain anger/fruit size. The excess sucker from Banana in mother plant and apport in banana bunches to protect falling due to weight or storm. Suckers with stout base, tapering towards the top provide the excess should be selected for planting at 3 motions.

Citrus	Marble/ Seedling	Citrus Canker	Avoid water stagnation near the tree trunk
			• Remove water shoots and any other shoots below the
			budded area.
			• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic
			Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water
			 Prune all canker affected branches and leaves and burn
			them. Spray copper oxychloride (180 gms) with
			Streptocycline (6 gms) per 60 liters water.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation
			 Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	 Need based spray of broad spectrum fungicide like
			carbendazim @2g/lit water.
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
*			
Honey bees			 Honey Bees Box must be covered with straw/dry leaves to provide
Tioney occs			warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	•
1 180	Thi stages	and appearance	• 1st injection at 6 months of age and 2nd injection at 12 months
		of mucous	of age followed by annual vaccination under vet supervision
		membrane of the	
		mouth and foot.)	reduce concentrate that up to 370
P. 1	A 11		Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
			Provide vitamin complex and glucose in waterFollow '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
			• 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
77. 7	T) **		short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice Standard Oil Cake (MOC)
3.6.4		77.00	daily advocated for healthy fingerlings
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous
			or and and rangul arror that a months intorval by sub suitangolis
			•
			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

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall: 48.9 mm; T. Max: 37.0°C; T. Min:	Mostly cloudy with possibility of moderate rainfall on 29 th July.
22.0°C; RH: 61-87%	Daily maximum and minimum temperature for the following period
	is predicted to be 32-34°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 83-89% and 51-78%
	respectively. Expected wind direction is mainly SSE & S with speed
	range of 2-5 kmph.
Warning:	Heavy rainfall is very likely in isolated places

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
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- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	Grasshopper/	Grasshopper infestation: Bund racking followed by
		Thrips and Stem borer/	incorporation of Carbofuron 3G.
		leaf folder	• On clear dry weather, spray Flubendiamide 3.5% and
			Hexaconazole 5% against blast and leaf folder
		Leaf blast	• Keep poison baits (Rice bran 50kg + Jaggery 5kg +
			Monocrotophos 36 SL 625ml + required quantity of water)
			here and there in field.
			• Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Rice	Nursery/transpl		Before transplanting, follow seedling root-dip treatment in
Ricc	anting/Tillering		chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		Need-based application of carbendazim@2gm/lit with
			sticker @2ml/lit to protect seedling from diseases
			Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			Maintain proper drainage for nursery plot of rice.
			Apply recommended dose of NPK in WRC at the time of
			transplanting or liquid formulation of bio-NPK @ 2-3
			ml/lit water
Maize	Fruiting	Grasshopper	Grasshopper infestation: Bund racking followed by
Pulses/Ground	Vacatativa	Eniconts.	incorporation of Carbofuron 3G
nut	Vegetative stage	Epicauta Bettle	• Complete earthing up before 45-50 days after sowing.
	stage	Dettie	• Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean
			_
			Gap filling is recommended in the early sown cropManual weeding in greengram/blackgram
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 &
1 mger mmet	Sowing		VR-708 can be carried out without delay.
			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Dust ash powder in cucurbits
Vegetables	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	Soft Rot	Cultural practice like weeding/earthing up is
	stage		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
		цорт	per lit of water.
Pineapple	Active	HUKI	• Remove excess suckers and spray NAA@100ppm to
псарріс	vegetative		increase fruit size and improve quality.
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		per plant to maintain the health of mother plant.
			Remove the male flower in banana bunches to attain
			better finger/fruit size.
			Remove excess sucker from Banana in mother plant and
			give support in banana bunches to protect falling due to
			heavy weight or storm.
			• Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m
			with harrow leaves should be selected for planning at 3111

			x 3m spacing.
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Large Cardamom	Flowering stage	Chirkey Disease	 Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
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
	Stage Fingerlings	Disease	*
Fishery	ringerings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 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	FMD	 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter Provide UMB/Molases if possible in the feed
			 Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed 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

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 12.0 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 22-23°C and 15-16°C respectively. Expected
	morning and evening relative humidity will be 88-92% and 65-76%
	respectively. Wind direction is mainly ESE with probable speed
	range of 4-6 kmph.
Warning:	Heavy rainfall is very likely in isolated places

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 (
Jhum field	Tillering	Grasshopper/		Grasshopper infestation: Bund racking followed by
		Thrips and Stem borer/		incorporation of Carbofuron 3G.
		leaf folder		On clear dry weather, spray Flubendiamide 3.5% and
				Hexaconazole 5% against blast and leaf folder
		Leaf blast		Keep poison baits (Rice bran 50kg + Jaggery 5kg +
				Monocrotophos 36 SL 625ml + required quantity of water)
				here and there in field.
				Spray Triazophos 40 EC@4ml/lit water against thrips & stemborer.
Rice	Nursery/transpl			Before transplanting, follow seedling root-dip treatment in
	anting/Tillering			chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage			Need-based application of carbendazim@2gm/lit with
				sticker @2ml/lit to protect seedling from diseases
				Maintain periphery of nursery field weed free and clean to
			1	prevent disease and pest harboring in weeds.
			• 1	Maintain proper drainage for nursery plot of rice.
				Apply recommended dose of NPK in WRC at the time of
				transplanting or liquid formulation of bio-NPK @ 2-3
				ml/lit water
Maize	Multiple stages		•]	If bluish-green leaves are observed, apply SSP or DAP along
			,	with $2/3^{rd}$ of Urea to rejuvenate the plant from phosphorus
			(deficiency
Maize	Fruiting	Grasshopper	• (Grasshopper infestation: Bund racking followed by
			j	incorporation of Carbofuron 3G
Pulses/Ground	Vegetative	Epicauta	• (Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	• 5	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
			5	settle in soybean
			• (Gap filling is recommended in the early sown crop
			• 1	Manual weeding in greengram/blackgram
Finger millet	Sowing		• 5	Sowing of short duration finger millet varieties like VL-324 &
				VR-708 can be carried out without delay.
				If already sown, maintain proper drainage
TD.	T. '.'		VEGET	
Tomato	Fruiting			Removing sideshoots is an important job which prevents
			t	the fruits being shaded by leaves.
			• 1	As temperatures rise, keep watering your plants, but
			í	avoid watering the leaves excessively that may lead to
			(disease infestation.
Summer	Multiple		•]	Dust ash powder in cucurbits
Vegetables	stages		• 1	Use pheromone traps/light traps against brinjal shoot and fruit
			l	borer.
			• 1	New nursery should be raised inside well covered structure
				with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative	Soft Rot	• (Cultural practice like weeding/earthing up is
	stage			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
		ПОРТ		per lit of water. JRAL CROPS
Citrus	Marble/ Seedling			Avoid water stagnation near the tree trunk
	manufacturing securing	CILIAD CHIRCI		Remove water shoots and any other shoots below the
				budded area.
				To check fruit drop, spray with 1.5g 2,4-D or Gibberelic
				Acid (GA) with 100 gms Carbendazim and 1 kg Urea
				mixed in 100 liters of water
				Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with
			l	mem. opray copper oxychioriuc (100 gilis) With

			Streptocycline (6 gms) per 60 liters water.		
Large Cardamom	Flowering stage	Chirkey Disease	 Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water. 		
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done 		
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 boxAdd insulation and ventilation systems		
			LIVESTOCKS		
Livestock	Stage	Disease	Precautionary Practices to be followed		
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD		
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter 		
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short. 		
Mithun Contact Scient	ists (ICAR) or	_	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. For KVK staff for measures against adverse conditions or call 		
at 03795-226237/226247					

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



Dated: 25th July, 2017

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: 59/2017/Tue



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 14.2 mm	Variable sky with possibility of no rainfall. Daily maximum and
	minimum temperature for the following period is predicted to be 32-
	33°C and 24-25°C respectively. Expected morning and evening
	relative humidity will be 91-95% and 54-83% respectively. Wind
	direction is mainly SW with speed range of 2-4 kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
. N. C	F ''	G 1	FIELD	
Maize	Fruiting	Grasshopper	•	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/	•	Grasshopper infestation: Bund racking followed by
		Thrips and		incorporation of Carbofuron 3G.
		Stem borer/ leaf folder	•	On clear dry weather, spray Flubendiamide 3.5% and
		icai ioiaci		Hexaconazole 5% against blast and leaf folder
		Leaf blast	•	Keep poison baits (Rice bran 50kg + Jaggery 5kg +
				Monocrotophos 36 SL 625ml + required quantity of water)
				here and there in field.
			•	Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground	Vegetative	Epicauta	•	Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	•	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
				settle in soybean
			•	Gap filling is recommended in the early sown crop
			•	Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering		•	Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		•	Need-based application of carbendazim@2gm/lit with
				sticker @2ml/lit to protect seedling from diseases
			•	Maintain periphery of nursery field weed free and clean to
				prevent disease and pest harboring in weeds.
			•	Maintain proper drainage for nursery plot of rice.
			•	Apply recommended dose of NPK in WRC at the time of
				transplanting or liquid formulation of bio-NPK @ 2-3
				ml/lit water
Maize	Multiple stages		•	If bluish-green leaves are observed, apply SSP or DAP along
				with 2/3 rd of Urea to rejuvenate the plant from phosphorus
77' '11 .	G :			deficiency
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
				VR-708 can be carried out without delay.
			VECE	If already sown, maintain proper drainage TABLES
Tomato	Fruiting		VEGE	Removing sideshoots is an important job which prevents
Tomato	Truiting			
				the fruits being shaded by leaves.
			•	As temperatures rise, keep watering your plants, but
				avoid watering the leaves excessively that may lead to
~				disease infestation.
Summer	Multiple		•	Dust ash powder in cucurbits
Vegetables	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		Soft Rot	•	Cultural practice like weeding/earthing up is
	stage			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	CICULT	TURAL CROPS
Large	Flowering	Chirkey	•	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	•	Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Active		•	Remove excess suckers and spray NAA@100ppm to
Donoro	vegetative			increase fruit size and improve quality.
Banana	Bunching & planting		•	Desuckering of banana to be done leaving one suckers
	& planting	<u> </u>		per plant to maintain the health of mother plant.

Citrus	Marble/ Seedling	Citrus Canker	 Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
			 nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages	EMD	 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

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

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Upper Siang

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 19.2 mm	Variable weather with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 25-27°C and 18-20°C respectively. Expected
	morning and evening relative humidity will be 78-85% and 45-62%
	respectively. Wind direction is mainly SE with speed range of 2-4
	kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
			FIELD	CROPS
Jhum field	Tillering	Grasshopper/ Thrips and	•	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.
		Stem borer/	•	On clear dry weather, spray Flubendiamide 3.5% and
		leaf folder		Hexaconazole 5% against blast and leaf folder
		Leaf blast	•	Keep poison baits (Rice bran 50kg + Jaggery 5kg +
				Monocrotophos 36 SL 625ml + required quantity of water)
				here and there in field.
			•	Spray Triazophos 40 EC@4ml/lit water against thrips & stem
				borer.
Maize	Fruiting	Grasshopper	•	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground	Vegetative	Epicauta	•	Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	•	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
				settle in soybean
			•	Gap filling is recommended in the early sown crop
			•	Manual weeding in greengram/blackgram
Rice	Nursery/transpl		•	Before transplanting, follow seedling root-dip treatment in
	anting/Tillering			chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		•	Need-based application of carbendazim@2gm/lit with
				sticker @2ml/lit to protect seedling from diseases
			•	Maintain periphery of nursery field weed free and clean to
				prevent disease and pest harboring in weeds.
			•	Maintain proper drainage for nursery plot of rice.
			•	Apply recommended dose of NPK in WRC at the time of
				transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
Tinger minet	Sowing			VR-708 can be carried out without delay.
			•	If already sown, maintain proper drainage
			VEGE	TABLES
Tomato	Fruiting		•	Removing sideshoots is an important job which prevents
				the fruits being shaded by leaves.
			•	As temperatures rise, keep watering your plants, but
				avoid watering the leaves excessively that may lead to
				disease infestation.
Summer	Multiple		•	Dust ash powder in cucurbits
Vegetables	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	Soft Rot	•	Cultural practice like weeding/earthing up is
	stage			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
		иорт		per lit of water.
Pineapple	Active	——————————————————————————————————————	• ICULI	Remove excess suckers and spray NAA@100ppm to
- mouppie	vegetative			increase fruit size and improve quality.
Banana	Bunching		•	Desuckering of banana to be done leaving one suckers
	& planting			per plant to maintain the health of mother plant.
			•	Remove the male flower in banana bunches to attain
				better finger/fruit size.
			•	Remove excess sucker from Banana in mother plant and
				give support in banana bunches to protect falling due to
			_	heavy weight or storm. Sword suckers with stout base, tapering towards the top
	<u> </u>			5 word suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m		
			x 3m spacing.		
Citrus	Marble/ Seedling	Citrus Canker	Avoid water stagnation near the tree trunk		
Citius	Widible/ Beeding	Citrus Canker	 Remove water shoots and any other shoots below the 		
			budded area.		
			• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic		
			Acid (GA) with 100 gms Carbendazim and 1 kg Urea		
			mixed in 100 liters of water		
			 Prune all canker affected branches and leaves and burn 		
			them. Spray copper oxychloride (180 gms) with		
			Streptocycline (6 gms) per 60 liters water.		
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation 		
			• Earthing up of ginger/turmeric along with basal application of		
			required fertilizer should be done		
Honov boos			Honey Bees		
Honey bees			Box must be covered with straw/dry leaves to provide		
			warmth		
			Provide sugar syrup LIVESTOCKS		
7.4	a.		LIVESTOCKS		
Livestock	Stage	Disease	Precautionary Practices to be followed		
Pigs	All stages	FMD (high fever	1		
		and appearance	• 1 st injection at 6 months of age and 2 nd injection at 12 months of		
		of mucous membrane of the	age followed by annual vaccination under vet supervision against		
		mouth and foot.)			
		mouth and 100t.)	Reduce concentrate diet up to 5%Provide adequate potable water		
Poultry	All stages		Provide adequate potable water Proper ventilation of shed		
Tourtry	All stages		 Provide vitamin complex and glucose in water 		
			 Follow 'All in All out' system of rearing and do not rear birds of 		
			different age groups together.		
			 Avoid overcrowding. 		
			Provide broad-spectrum antihelminthic drugs under vet		
			supervision and recommended doses.		
			• Provide adequate clean drinking water+electrolyte and multi-		
			vitamins		
			 Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: 		
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days:		
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox		
			vaccine and 56-70 days: RD R-2B strain.		
			Remove wet litter		
Cattle	All stages	FMD	Provide UMB/Molases if possible in the feed		
			• Provide 10-30 ml of vitamin B-Complex in feed		
			• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st		
			injection followed by annual vaccination under vet supervision		
			Separate sick animals		
			• The animal should be washed with lukewarm water added with		
			little potash (KMnO ₄) or neem leaves		
			• Long hair near the udder/stomach/back legs should be teamed short.		
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice		
_ ionici y	- mgvimigo		daily advocated for healthy fingerlings		
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months 		
William		1 1/11	of age and repeat after that 6 months interval by sub-cutaneous		
			route.		
			• Pregnant animals above 7 months of pregnancy should be avoided.		
Contact Scien	tists (ICAR) or		or KVK staff for measures against adverse conditions or call		
at 03795-226237/226247					

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

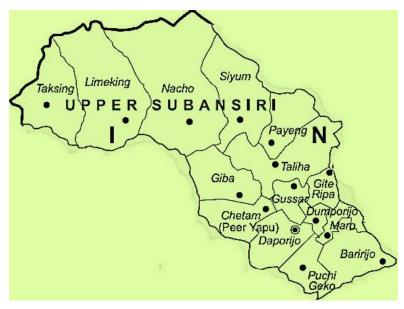


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Daporijo: 28.2 mm	Mostly cloudy with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	25-26°C and 18-19°C respectively. Expected morning and evening
	relative humidity will be 91-95% and 54-83% respectively.
	Expected wind direction is mainly WNW & NW with speed range
	of 3-5 kmph.
Warning	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		- 1	FIELD CROPS
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and
		Leaf blast	 Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg +
			Monocrotophos 36 SL 625ml + required quantity of water) here and there in field.
			• Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop
			Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering		Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		Need-based application of carbendazim@2gm/lit with Airland @2m/lit to market and live from live and live and live and live from live and live a
			sticker @2ml/lit to protect seedling from diseasesMaintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.Maintain proper drainage for nursery plot of rice.
			 Apply recommended dose of NPK in WRC at the time of
			transplanting or liquid formulation of bio-NPK @ 2-3
			ml/lit water
	ı		VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves.
			 As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Dust ash powder in cucurbits
Vegetables	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.
T	El :		CICULTURAL CROPS
Large Cardamom	Flowering stage	Chirkey Disease	 Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Active vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		 per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size.
			 Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.
			Sword suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m
C'A	M1-1 - / C11:	C'tona Caulas	x 3m spacing.
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area.
			• To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water
			Prune all canker affected branches and leaves and burn
			them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
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
Fishery	Fingerlings		 Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever	Keep the houses dry and clean.
		and appearance	• 1 st injection at 6 months of age and 2 nd injection at 12 months
		of mucous membrane of the	of age followed by annual vaccination under vet supervision
		mouth and foot.)	against FMDReduce concentrate diet up to 5%
		,	 Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
			Provide vitamin complex and glucose in water
			 Follow 'All in All out' system of rearing and do not rear birds of different age groups together.
			Avoid overcrowding.
			 Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multi-
			vitamins
			 Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days:
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox
			vaccine and 56-70 days: RD R-2B strain.
			Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed
			• Provide 10-30 ml of vitamin B-Complex in feed
			• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st injection followed by annual vaccination under vet supervision
			• Separate sick animals
			• The animal should be washed with lukewarm water added with
			little potash (KMnO ₄) or neem leaves
			 Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.
			• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scie	ntists (ICAR) or		For KVK staff for measures against adverse conditions or call
		at 03	3795-226237/226247

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Kameng

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong:	Mostly cloudy with possibility of light/moderate rainfall. Daily
8.2 mm	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 83-93% and 58-79%
	respectively. Wind direction is mainly E with speed range of 3-5
	kmph.
Warning:	Heavy rainfall is very likely in isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground	Vegetative	Epicauta	Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
			settle in soybean
			Gap filling is recommended in the early sown crop
			Manual weeding in greengram/blackgram
Jhum field	Tillering	Grasshopper/ Thrips and	Grasshopper infestation: Bund racking followed by incomparation of Carbofyron 2C.
		Stem borer/	incorporation of Carbofuron 3G.
		leaf folder	• On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder
		Leaf blast	Keep poison baits (Rice bran 50kg + Jaggery 5kg +
		Lear brast	Monocrotophos 36 SL 625ml + required quantity of water)
			here and there in field.
			• Spray Triazophos 40 EC@4ml/lit water against thrips & stem
			borer.
Rice	Nursery/transpl		Before transplanting, follow seedling root-dip treatment in
	anting/Tillering		chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		• Need-based application of carbendazim@2gm/lit with
			sticker @2ml/lit to protect seedling from diseases
			Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			Maintain proper drainage for nursery plot of rice. Apply recommended dags of NBV in WBC at the time of
			• Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3
			ml/lit water
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
			VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Dust ash powder in cucurbits
Vegetables	stages		Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
			New nursery should be raised inside well covered structure
G: t	***	G. C. D.	with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	_	Soft Rot	Cultural practice like weeding/earthing up is
	stage		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
Pineapple	Active		Remove excess suckers and spray NAA@100ppm to
	vegetative		increase fruit size and improve quality.
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		per plant to maintain the health of mother plant.
			 Remove the male flower in banana bunches to attain better finger/fruit size.
			Remove excess sucker from Banana in mother plant and
			give support in banana bunches to protect falling due to
			heavy weight or storm.
			Sword suckers with stout base, tapering towards the top

Citrus Orchards Apple Honey bees	Marble/ Seedling Vegetative	Citrus Canker Wooly aphids	with narrow leaves should be selected for planting at 3m x 3m spacing. • Avoid water stagnation near the tree trunk • Remove water shoots and any other shoots below the budded area. • To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water • Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. • 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 • Swab the stem with mineral oil against wooly aphid. Honey Bees • Provide sugar syrup near the box		
Tioney occs			Add insulation and ventilation systems		
Livestock	Stogo	Disease	LIVESTOCKS Precautionary Practices to be followed		
Fishery	Stage Fingerlings	Discase	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice		
3	8. 8.		daily advocated for healthy fingerlings		
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD 		
Cattle	All stages All stages	FMD	 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed 		
Mithun		FMD	 short. Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247					

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)



ग्रामीण कृषि मौसम सेवा

GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: West Siang

No: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Basar: Rainfall = 18.3 mm. T. Max: 30.1°C,	Mostly/partly cloudy with possibility of moderate rainfall. Daily
T. Min: 21.2°C, RH: 65-91%, Wind Speed:	maximum and minimum temperature for the following period is
3-4 kmph, Wind Direction: WNW & WSW	predicted to be 28-30°C and 24-25°C respectively. Expected
Aalo: 0.0 mm	morning and evening relative humidity will be 91-95% and 49-80%
	respectively. Wind direction is mainly W & WNW with speed range
	of 2-4 kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease		Precautionary Practices to be followed
			FIELD	CROPS
Jhum field	Tillering	Grasshopper/ Thrips and	•	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.
		Stem borer/	•	On clear dry weather, spray Flubendiamide 3.5% and
		leaf folder		Hexaconazole 5% against blast and leaf folder
		Leaf blast	•	Keep poison baits (Rice bran 50kg + Jaggery 5kg +
				Monocrotophos 36 SL 625ml + required quantity of water)
				here and there in field.
			•	Spray Triazophos 40 EC@4ml/lit water against thrips & stem
3.5				borer.
Maize	Fruiting	Grasshopper	•	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground	Vegetative	Epicauta	•	Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	•	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
				settle in soybean
			•	Gap filling is recommended in the early sown crop
			•	Manual weeding in greengram/blackgram
Rice	Nursery/transpl		•	Before transplanting, follow seedling root-dip treatment in
	anting/Tillering			chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		•	Need-based application of carbendazim@2gm/lit with
				sticker @2ml/lit to protect seedling from diseases
			•	Maintain periphery of nursery field weed free and clean to
				prevent disease and pest harboring in weeds.
			•	Maintain proper drainage for nursery plot of rice.
			•	Apply recommended dose of NPK in WRC at the time of
				transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
Tinger minet	Sowing			VR-708 can be carried out without delay.
			•	If already sown, maintain proper drainage
			VEGE	TABLES
Tomato	Fruiting		•	Removing sideshoots is an important job which prevents
				the fruits being shaded by leaves.
			•	As temperatures rise, keep watering your plants, but
				avoid watering the leaves excessively that may lead to
				disease infestation.
Summer	Multiple		•	Dust ash powder in cucurbits
Vegetables	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	Soft Rot	•	Cultural practice like weeding/earthing up is
	stage			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
		ПОРТ	TOTIL T	per lit of water. URAL CROPS
Pineapple	Active		ICULI	Remove excess suckers and spray NAA@100ppm to
- mouppie	vegetative		•	increase fruit size and improve quality.
Banana	Bunching		•	Desuckering of banana to be done leaving one suckers
	& planting			per plant to maintain the health of mother plant.
			•	Remove the male flower in banana bunches to attain
				better finger/fruit size.
			•	Remove excess sucker from Banana in mother plant and
				give support in banana bunches to protect falling due to
			_	heavy weight or storm. Sword suckers with stout base, tapering towards the top
	<u> </u>			5 word suckers with stout base, tapering towards the top

			with narrow leaves should be selected for planting at 3m
Citrus	Marble/ Seedling	Citrus Canker	 x 3m spacing. Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with
Ginger/Turmeric	Seedling		Streptocycline (6 gms) per 60 liters water. • Proper drainage to be done and avoid water stagnation
7	TI :	C1 ' 1	Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Large Cardamom	Flowering stage	Chirkey Disease	 Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
TT 1			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide warmth
			Provide sugar syrup LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Stage Fingerlings	Disease	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.

		•	Pregnant animals above 7 months of pregnancy should be avoided.	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				
at 03795-226237/226247				

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

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

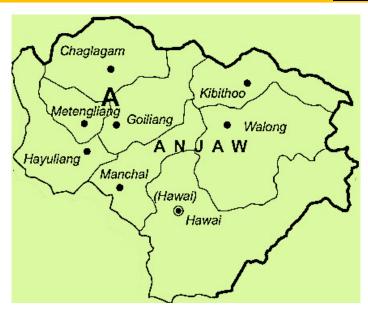


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
No weather summary available	Variable sky with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 29-32°C and 23-25°C respectively. Expected
	morning and evening relative humidity will be 79-87% and 45-60%
	respectively. Wind direction is mainly E at a speed range of 3-5
	kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Fruiting	Grasshopper	Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
T			VEGETABLES
Summer	Fruiting Multiple		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation. Dust ash powder in cucurbits
Vegetables Ginger/turmeric		Soft Rot	 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. Cultural practice like weeding/earthing up is
	stage	нов:	 recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Pineapple	Fruiting	HUK	• Remove excess suckers and spray NAA@100ppm to
	C		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.

Citrus Large Cardamom Ginger/Turmeric	Marble/ Seedling Flowering stage Seedling	Chirkey Disease	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water. Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of applied for tilling about the date.
			required fertilizer should be done LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever	, , ,
7.50	The stages	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
Cattle	All stages	FMD	 Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter Provide UMB/Molases if possible in the feed
Cattle	7 III stages	1 1911	 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.
Contact Scienti	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247		

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Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

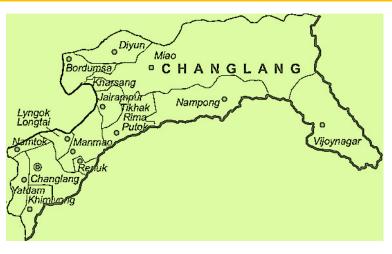


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = Changlang: 1.4 mm Miao: 79.0	Mostly/partly cloudy with possibility of moderate rainfall. Daily
mm	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 82-89% and 49-69%
	respectively. Wind direction is mainly SE with speed range of 2-3
	kmph.
Warning	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	Grasshopper/ Thrips and	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G.
		Stem borer/	• On clear dry weather, spray Flubendiamide 3.5% and
		leaf folder	Hexaconazole 5% against blast and leaf folder
		Leaf blast	• Keep poison baits (Rice bran 50kg + Jaggery 5kg +
			Monocrotophos 36 SL 625ml + required quantity of water)
			here and there in field.
			• Spray Triazophos 40 EC@4ml/lit water against thrips & stem
			borer.
Maize	Fruiting	Grasshopper	Grasshopper infestation: Bund racking followed by incompartial of County forms 3C
Pulses/Ground	Vegetative	Epicauta	 incorporation of Carbofuron 3G Complete earthing up before 45-50 days after sowing.
nut	stage	Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
	3g-	20020	settle in soybean
			Gap filling is recommended in the early sown crop
			Manual weeding in greengram/blackgram
Rice	Nursery/transpl		Before transplanting, follow seedling root-dip treatment in
	anting/Tillering		chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	stage		• Need-based application of carbendazim@2gm/lit with
			sticker @2ml/lit to protect seedling from diseases
			Maintain periphery of nursery field weed free and clean to
			prevent disease and pest harboring in weeds.
			Maintain proper drainage for nursery plot of rice.
			• Apply recommended dose of NPK in WRC at the time of
			transplanting or liquid formulation of bio-NPK @ 2-3
Finger millet	Sowing		 ml/lit water Sowing of short duration finger millet varieties like VL-324 &
1 mger minet	Sowing		VR-708 can be carried out without delay.
			If already sown, maintain proper drainage
			VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Dust ash powder in cucurbits
Vegetables	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	_	Soft Rot	• Cultural practice like weeding/earthing up is
	stage		recommended followed by basal dose of fertilizers
			• For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g
			per lit of water.
		HORT	TCULTURAL CROPS
Pineapple	Active		Remove excess suckers and spray NAA@100ppm to
	vegetative		increase fruit size and improve quality.
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		per plant to maintain the health of mother plant.
			Remove the male flower in banana bunches to attain better finger/fruit size.
			better finger/fruit size.Remove excess sucker from Banana in mother plant and
			give support in banana bunches to protect falling due to
			heavy weight or storm.
			Sword suckers with stout base, tapering towards the top
•			

			with narrow leaves should be selected for planting at 3m
			x 3m spacing.
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the
			 budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea
			 mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with
			Streptocycline (6 gms) per 60 liters water.
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	 Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmth
			Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	1
		and appearance of mucous	J
		membrane of the	age followed by annual vaccination under vet supervision against FMD
		mouth and foot.)	11.12
		,	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 breed executive entirelyminthic drugs and an executive entirelyminthic drugs and an executive entirelyminthic drugs.
			• 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.
Cattle	All stages	FMD	Remove wet litter Provide LIMP/Molecus if possible in the feed.
Cattle	An stages	LMID	 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, 2 nd injection after 6 months of
			1 st injection followed by annual vaccination under vet
			supervision
			Separate sick animals The principal should be used a bright below to the desired and desired.
			• The animal should be washed with lukewarm water added with little potash (KMnO ₄) or neem leaves
			Long hair near the udder/stomach/back legs should be teamed
			short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Contact Scien	tists (ICAR) or S	_	f or KVK staff for measures against adverse conditions or call
		at 0.	3795-226237/226247

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: 59/2017/Tue Dated: 25th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 12.0 mm (Anini)	Variable weather with possibility of moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 24-25°C and 20-22°C respectively. Expected morning and evening relative humidity will be 83-90% and 41-62% respectively. Wind direction is mainly ENE with speed range of 5-6 kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
	_		FIELD CROPS
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Tomato	Fruiting		 VEGETABLES Removing sideshoots is an important job which prevents
			 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		 Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Citmo	Morble/Cas 11:		FICULTURAL CROPS
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
Pineapple	Active vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.

Apple	Vegetative	Wooly aphids	 Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing. Swab the stem with mineral oil against wooly aphid.
Honey bees			In case of rain provide sugar syrup
	<u> </u>		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
Mithun Contact Scient	ists (ICAR) or St	FMD ate Agril Staff or F	 daily advocated for healthy fingerlings Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. KVK staff for measures against adverse conditions or call at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 18.6 mm	Mostly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 21-23°C and 16-17°C respectively. Expected morning and evening relative humidity will be 81-94% and 53-81% respectively. Expected wind direction is mainly SE with speed range of 3-4 kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay. If always a sorter projection property desires as
			If already sown, maintain proper drainage VECETABLES
Pre-summer vegetables	Seedling/ vegetative	Aphids in Cucurbitaceous crops/ Brinjal Shoot & Fruit borer	 Provision of drainage to remove excess water followed by earthing up in vegetables. In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks.
		HORT	 Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. TCULTURAL CROPS
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	 Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Pineapple	Active vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain

Ginger/Turmeric Orchards Toko palm	Seedling		 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. 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	Fingerlings	Disease	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
I isitery	1 mgc1mgs		daily advocated for healthy fingerlings
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
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.

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: 59/2017/Tue

Dated: 25th July, 2017



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

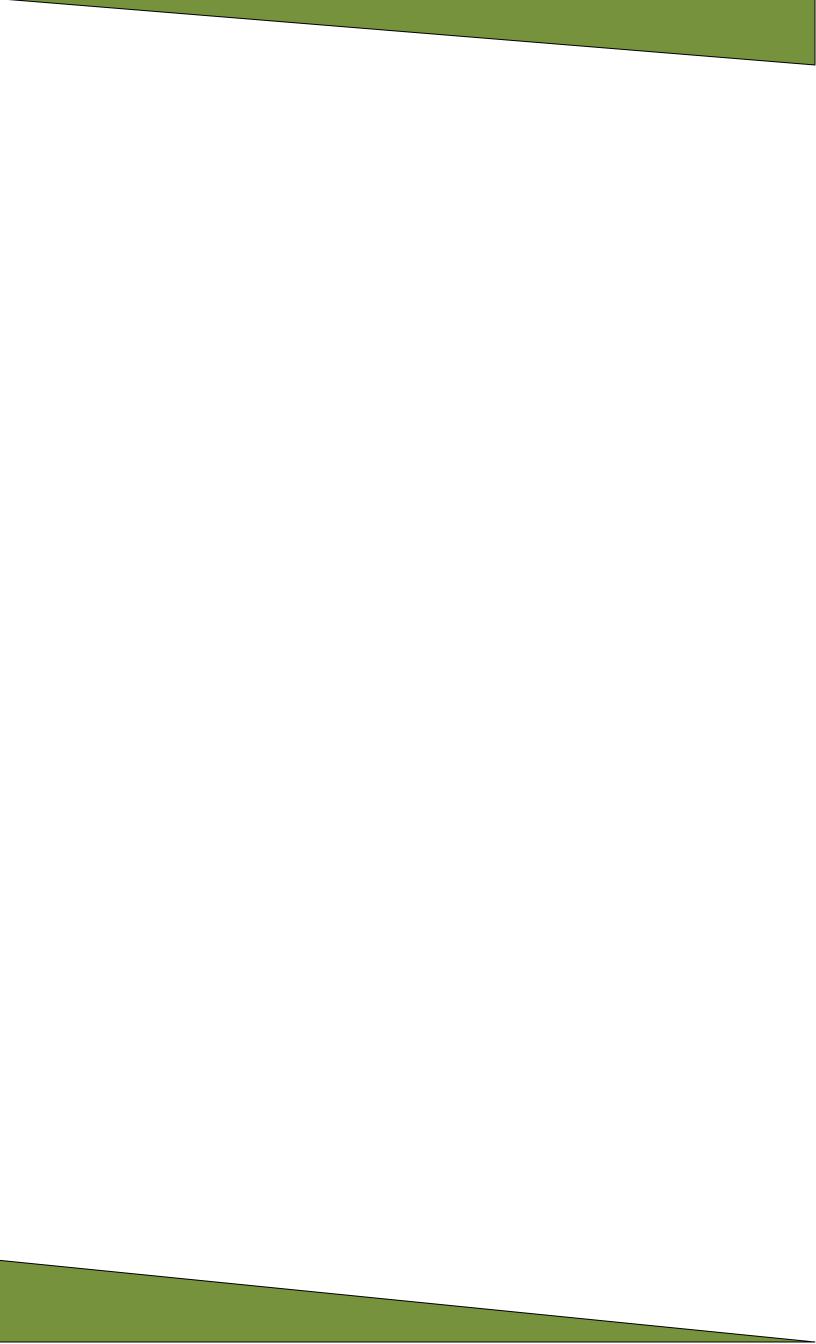
Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall: 62.4 mm; T. Max: 37.0°C; T. Min:	Variable weather with possibility of moderate rainfall. Daily
23.0°C; RH: 69-97%	maximum and minimum temperature for the following period is
	predicted to be 32-34°C and 24-25°C respectively. Expected
	morning and evening relative humidity will be 88-92% and 44-74%
	respectively. Expected wind direction is W with speed range of 2-4
	kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
3.6.1	- · ·		IELD CROPS	
Maize	Fruiting	Grasshopper	 Grasshopper infestation: Bund racking follo- incorporation of Carbofuron 3G 	wed by
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followincorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3. Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery Monocrotophos 36 SL 625ml + required quantity of here and there in field. Spray Triazophos 40 EC@4ml/lit water against thripselice. 	5% and 5kg + of water)
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowi Spray azadirachtin 0.15 EC@ 1 ml/lit against lisettle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram 	•
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip trea chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the transplanting or liquid formulation of bio-NPK ml/lit water 	lit with clean to
			EGETABLES	
Tomato	Fruiting		 Removing sideshoots is an important job which the fruits being shaded by leaves. As temperatures rise, keep watering your pla avoid watering the leaves excessively that may disease infestation. 	nts, but
Summer Vegetables	Multiple stages		 Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot borer. New nursery should be raised inside well covered with a raised bed to protect against continuous rain/should be raised bed to protect against brinjal shoot borer. 	structure
Ginger/turmeric	Vegetative stage	Soft Rot	 Cultural practice like weeding/earthing recommended followed by basal dose of fertilizer For management of soft rot in ginger: Need drencing of Metalaxyl-8% + Mancozeb 64% WP per lit of water. 	up is
D: :		HORT	CULTURAL CROPS	
Pineapple	Active vegetative		 Remove excess suckers and spray NAA@100 increase fruit size and improve quality.)ppm to
Banana	Bunching & planting		 Desuckering of banana to be done leaving one such per plant to maintain the health of mother plant. Remove the male flower in banana bunches to att better finger/fruit size. Remove excess sucker from Banana in mother plagive support in banana bunches to protect falling heavy weight or storm. Sword suckers with stout base, tapering towards twith narrow leaves should be selected for planting x 3m spacing. 	ain ant and due to he top

Citrus Large Cardamom Ginger/Turmeric	Marble/ Seedling Flowering stage Seedling	Chirkey Disease	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water. 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 BeesOn prolong rain, provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD
Poultry	All stages		 Proper ventilation of shed Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or	_	For KVK staff for measures against adverse conditions or call 3795-226237/226247



Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Kurung Kumey

No: 59/2017/Tue

Dated: 25th July, 2017



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

Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Past weather summary not available	Mostly/partly cloudy with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 27-29°C and 22-23°C respectively. Expected
	morning and evening relative humidity will be 81-92% and 54-75%
	respectively. Wind direction is mainly W with speed range of 4-6
	kmph.
Warning	Heavy rainfall is very likely in 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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Maize	Fruiting	Grasshopper	• Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water) here and there in field. Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
			If already sown, maintain proper drainage VEGETABLES
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	G. C. D.	 Dust ash powder in cucurbits Use pheromone traps/light traps against brinjal shoot and fruit borer. New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
Ginger/turmeric	Vegetative stage	Soft Rot	 Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
Lorge	Flowering		ICULTURAL CROPS
Large Cardamom	Flowering stage	Chirkey Disease	 Remove diseased part & keep inflorescence clean. Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Pineapple	Active vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		 Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and

	M III (G III		 give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.
Citrus	Marble/ Seedling	Citrus Canker	 Avoid water stagnation near the tree trunk Remove water shoots and any other shoots below the budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water.
Ginger/Turmeric	Seedling		 Proper drainage to be done and avoid water stagnation Earthing up of ginger/turmeric along with basal application of required fertilizer should be done
			Honey Bees
			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice delivered for backley financings.
Pigs	All stages	FMD (high fever	 daily advocated for healthy fingerlings Keep the houses dry and clean.
1150	7 III stages	and appearance of mucous membrane of the mouth and foot.)	 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD Reduce concentrate diet up to 5%
			Provide adequate potable water
Poultry	All stages		Proper ventilation of shed
			 Provide vitamin complex and glucose in water Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
			 Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Cattle	All stages	FMD	 Remove wet litter Provide UMB/Molases if possible in the feed
Cattle	1 III stages	1 14112	 Provide OMB/Molases it possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	tists (ICAR) or		For KVK staff for measures against adverse conditions or call 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 26th to 28th July 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lohit

No: 59/2017/Tue

Dated: 25th July, 2017



Weather summery of the previous week	Weather forecast valid up to 30 th July 2017
Rainfall = 95.4 mm	Partly cloudy with possibility of moderate rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	27-28°C and 20°C respectively. Expected morning and evening
	relative humidity will be 80-87% and 49-65% respectively. Wind
	direction is mainly E with speed range of 2-4 kmph.
Warning:	Heavy rainfall is very likely in isolated places

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Tillering	Grasshopper/ Thrips and Stem borer/ leaf folder Leaf blast	 Grasshopper infestation: Bund racking followed by incorporation of Carbofuron 3G. On clear dry weather, spray Flubendiamide 3.5% and Hexaconazole 5% against blast and leaf folder Keep poison baits (Rice bran 50kg + Jaggery 5kg + Monocrotophos 36 SL 625ml + required quantity of water)
			here and there in field. • Spray Triazophos 40 EC@4ml/lit water against thrips & stem borer.
Pulses/Ground nut	Vegetative stage	Epicauta Bettle	 Complete earthing up before 45-50 days after sowing. Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean Gap filling is recommended in the early sown crop Manual weeding in greengram/blackgram
Rice	Nursery/transpl anting/Tillering stage		 Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Need-based application of carbendazim@2gm/lit with sticker @2ml/lit to protect seedling from diseases Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Maintain proper drainage for nursery plot of rice. Apply recommended dose of NPK in WRC at the time of transplanting or liquid formulation of bio-NPK @ 2-3 ml/lit water
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along with 2/3 rd of Urea to rejuvenate the plant from phosphorus deficiency
T			VEGETABLES
Tomato	Fruiting		 Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.
Summer	Multiple		Dust ash powder in cucurbits
Vegetables	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.
D' 1	A .:	HORT	ICULTURAL CROPS
Pineapple Banana	Active vegetative Bunching & planting		 Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality. Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.

Ginger/Turmeric Honey bees	Seedling		 budded area. To check fruit drop, spray with 1.5g 2,4-D or Gibberelic Acid (GA) with 100 gms Carbendazim and 1 kg Urea mixed in 100 liters of water Prune all canker affected branches and leaves and burn them. Spray copper oxychloride (180 gms) with Streptocycline (6 gms) per 60 liters water. 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
			Add insulation and ventilation systems LIVESTOCKS
I izveste elz	C4a aa	Diagona	LIVESTOCKS Propositions are Propositions to be followed.
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			daily advocated for healthy fingerlings

at 03795-226237/226247