Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

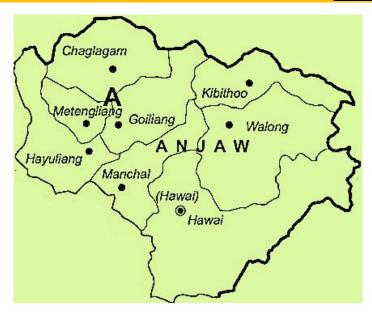


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 40/2017/Fri

Dated: 19th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
No weather summary available	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 31-32°C and 21-22°C respectively. Expected
	morning and evening relative humidity will be 86-92% and 42-50%
	respectively. Wind will blow mostly E at a speed range of 4-6 kmph.
Warning:	Rain/thundershowers are likely in few 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
Cardana	Carring		FIELD CROPS
Soybean	Sowing		 Right time for sowing of soybean Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Finger millet	Sowing		• Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	 Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Jhum field	Sowing		Manual weeding advocated
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development. On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
		HOR	TICULTURAL CROPS
Orchards	Multiple stages		 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Large Cardamom	Sowing/ germination		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Provide adequate drainage
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 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		 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

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			 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	 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	ists (ICAR) or Stat	e Agril Staff or	KVK staff for measures against adverse conditions or call at 03795- 226237/226247

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

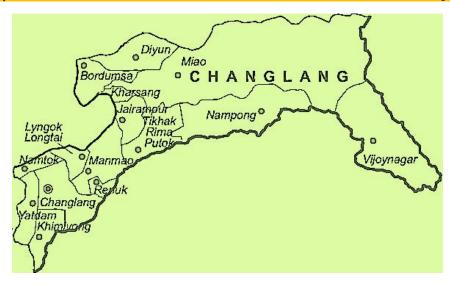


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Changlang

No: 40/2017/Fri

Dated: 19th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 24 th May, 2017
Rainfall = Changlang: 26.0 mm Miao: 6.4	Partly cloudy weather forecasted with moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 32-33°C and 22-23°C respectively. Expected
	morning and evening relative humidity will be 84-93% and 55-62%
	respectively. Wind direction is mainly SE with speed range of 2-4
	kmph.
Warning	Rain/thundershowers are likely in few 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
Soybean	Sowing		Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
			VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
			• On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			• On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pests
			• In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			• Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
			ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	• Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			• Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			 Denavelling (removal of male bud) to improve bunch weight
			Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Sowing/		Disease free ginger/turmeric rhizomes of 30-40g having
	germination		atleast 2 eyes to be sown in finely tilth bed of 1 meter width,
			15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.
			•
			Mulching ginger beds with locally available leaves/materials is advocated to enhance germination
Orchards			Prepare half moon terraces in fruit crops
Orenards			(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low
I ama C 1			land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
			 The duration of primary nursery being 3-4 months.
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmth
			Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
	2 0		daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever	

Poultry	All 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 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light 		
Cattle	All stages	FMD	• 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		
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				

at 03795-226237/226247

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(Period: 20th to 23rd May 2017)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Dibang Valley

No: 40/2017/Fri Dated: 19th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 24 th May, 2017
Rainfall = 1.0 mm (Anini)	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 27-29°C and 15-16°C respectively. Expected morning
	and evening relative humidity will be 86-91% and 42-52%
	respectively. Wind direction is mainly E with speed range of 4-6
	kmph.
Warning:	Rain/thundershowers are likely in few 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
Soybean	Sowing		 Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Maize	Knee height		• Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be
	_		carried out in upland/jhum rice and maize.
			• On clear/dry weather or using sticker (@1ml/lit), spray
			Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery
			as well as in main field.
			• Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
Jhum field	Sowing		Manual weeding advocated
			VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
			On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			 On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests
			 In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			• Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
		HORT	TICULTURAL CROPS
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weightBagging of bunches to protect against unusual rainfall.
Citrus	Fruiting	Citrus scab/ leaf	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in
		miner	Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			• Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against
Cin con/Transcrip	Carring/		citrus leaf miner.
Ginger/Turmeric	Sowing/ germination		• Disease free ginger/turmeric rhizomes of 30-40g having at least 2 eyes to be sown in finely tilth bed of 1 meter width,
	germmation		15 cm high and of convenient length at a spacing of 30 cm
			between rows and 25cm between plants.
			Mulching ginger beds with locally available
			leaves/materials is advocated to enhance germination
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
T			land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
			 The duration of primary nursery being 3-4 months.
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
**		V 1	Honey Bees
Honey bees			In case of rain provide sugar syrup
•		1	
			LIVESTOCKS

Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice	
			daily advocated for healthy fingerlings	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Animals should be given lukewarm feed and water. 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 	
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light 	
Cattle	All stages	FMD	• 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	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247			

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

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

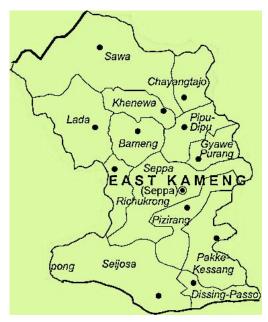
(Integrated Agro-Meteorological Advisory Services)



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

District: East Kameng

No: 40/2017/Fri Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall = 9.0 mm	Partly cloudy with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	30-31°C and 21-22°C respectively. Expected morning and evening
	relative humidity will be 89-95% and 55-71% respectively.
	Expected wind direction is mainly NE with speed range of 2-3
	kmph.
Warning:	Rain/thundershowers are likely in few 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

Cwan	Store	Post/Dispose	Duccoution our Ducctions to be followed
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Maine	Variation 1	I	FIELD CROPS
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Soybean	Sowing		 Right time for sowing of soybean Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Rice	Seedling	Stem borer	 Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize. On clear/dry weather or using sticker (@1ml/lit), spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Manual weeding advocated
			VEGETABLES
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development. On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
			TICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Sowing/ germination		 Disease free ginger/turmeric rhizomes of 30-40g having atleast 2 eyes to be sown in finely tilth bed of 1 meter width, 15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants. Mulching ginger beds with locally available leaves/materials is advocated to enhance germination
Orchards			Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent

Large Cardamom	Sowing		 nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Toko palm	Nursery		Agroforestry Filling of nursery polybags for raising of takopalm seedlings
	~ :		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Animals should be given lukewarm feed and water. 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
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light
Fishery			• Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	• 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
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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(Period: 20th to 23rd May 2017)

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GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: East Siang

No: 40/2017/Fri Dated: 19th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall: 34.3 mm; T. Max:34.0°C; T. Min:	Partly cloudy with possibility of moderate rainfall. Daily
21.0°C; RH: 74-90%	maximum and minimum temperature for the following period is
	predicted to be 31-32°C and 22-23°C respectively. Expected
	morning and evening relative humidity will be 87-91% and 56-66%
	respectively. Expected wind direction is mainly WNW with speed
	range of 3-4 kmph.
Warning:	Rain/thundershowers are likely in few 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
	- ·	I	FIELD	
Soybean	Sowing		•	Right time for sowing of soybean
			•	Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Finger millet	Sowing		•	Sowing of short duration finger millet varieties like VL-324 &
				VR-708 can be carried out without delay.
Maize	Knee height		•	Carry out thinning and earthing up in maize without delay
Pulses	Vegetative		•	Apply biosulphur @2ml/lit water to enhance yield
Rice	Seedling	Stem borer	•	Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			•	Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Jhum field	Sowing		•	Manual weeding advocated
			•	Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve points and fortility.
				and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety
				(Selection-9) are advocated for intercropping as they are short
			•	duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or
				Carbendazim @ 2g/kg seed before sowing to avoid fungal
				infections during rainy days
_		T	VEGE'	TABLES
Pre-summer vegetables	Seedling/ vegetative		•	Provision of drainage to remove excess water followed by
vegetables	vegetative			earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @
				4ml/lit of water for proper growth and development.
			•	On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
				against insect pests
			•	In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and
				stacking should be followed and trained on a bower system
				made of bamboo + sticks.
			•	Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
			ICULT	TURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	•	Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			•	Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		•	Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			•	Denavelling (removal of male bud) to improve bunch weight
			•	Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Sowing/		•	Disease free ginger/turmeric rhizomes of 30-40g having
	germination			atleast 2 eyes to be sown in finely tilth bed of 1 meter width,
				15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.
			•	Mulching ginger beds with locally available
				leaves/materials is advocated to enhance germination
Orchards			•	Prepare half moon terraces in fruit crops
				(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			•	Follow proper drainage and earthing up practices in low
				land/plain areas to avoid water stagnation in fruit orchards

Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
			Honey Bees
Honey bees			On prolong rain, provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Provide adequate clean drinking water+electrolyte and multivitamins Give broad-spectrum antihelmintic drugs as per prescribed doses. 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 artificial heating and light
Cattle	All stages	FMD	• 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
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scient	ists (ICAR) or	<u> </u>	or KVK staff for measures against adverse conditions or call 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 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: 40/2017/Fri

Dated: 19th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 24 th May 2016
Past weather summary not available	Variable weather with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 21-23°C respectively. Expected morning and evening relative humidity will be 88-90% and 64-74% respectively. Wind direction is variable with speed range of 2-4
	kmph.
Warning	 Rain/thundershowers are likely in few 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
a 1		T	FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			Carry out seed dressing/treatment with Thiram or
24.	TZ 1 1 1 .		Carbendazim @ 2g/kg seed before sowing
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice and maize.
			Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
			rice nursery as well as in main field.
			 Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
Jhum field	Sowing		Manual weeding advocated
	S		Adopt sowing of leguminous crops like cowpea, frenchbean,
			soybean etc at 2-3 rows across the slope of jhum field at
			desirable intervals or ratios with rice to prevent soil erosion
			and conserve moisture and fertility.
			Cowpea variety (Kashi Kanchan) and Frenchbean variety
			(Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Pea	Seedling		Provide proper drainage to already sown crops
			VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
			On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pests
			 In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
			ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
		1111101	Spray Imidaclorpid 17.8%SL@0.2ml/lit of water against
			citrus leaf miner.
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5 Y 2.5 metabolic translation of the property of the propert
			 X 2.5 meter plant to plant and row to row distance. Denayelling (removal of male bud) to improve bunch
			weight
			Bagging of bunches to protect against unusual rainfall.
Ginger/Turmeric	Sowing/		Disease free ginger/turmeric rhizomes of 30-40g having
	germination		atleast 2 eyes to be sown in finely tilth bed of 1 meter width,
			15 cm high and of convenient length at a spacing of 30 cm between rows and 25cm between plants.
			Mulching ginger beds with locally available
			leaves/materials is advocated to enhance germination
Large Cardamom	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10
	-		cm apart followed by mulching & regular light irrigation.
			• The duration of primary nursery being 3-4 months.
			Honey Bees

			 Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Cattle	All stages	FMD	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added w little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be team short.
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and mulvitamins Vaccination as per the schedule with proper consultation with ve Day old chick: HVT Marek disease vaccine, 4-7 day F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day F/Lasota, 6-7 weeks: Chicken embryo adopted fowl p vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
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-cutaned route. Pregnant animals above 7 months of pregnancy should be avoided.

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

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 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: 40/2017/Fri Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May, 2017
Rainfall = 5.2 mm (Tezu)	Partly cloudy weather with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 32-33°C and 21-22°C respectively. Expected morning
	and evening relative humidity will be 85-93% and 47-56%
	respectively. Wind direction is E with speed range of 3-4 kmph.
Warning:	Rain/thundershowers are likely in few 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
) ()	77 1 1 1		FIELD CROPS
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice and maize.
			Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
			rice nursery as well as in main field.Cut the tips of the leaves before transplanting reduces the
			• Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
			VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
			On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			• On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pests
			• In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
		HORT	ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf	• Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in
		miner	Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			• Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weight
Orchards			 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops
Ofcharus			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low
Large Cardamom	Sowing		 land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10
Large Cardamom	Sowing		cm apart followed by mulching & regular light irrigation.
			• The duration of primary nursery being 3-4 months.
			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
D.	A 11	EMD (1: 1 C	daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance	
		of mucous	 Reep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of
		membrane of the	age followed by annual vaccination under vet supervision
Poultry	All stages	mouth and foot.)	Eollow (All in All out) agatom of maging and do not man binds of
Founty	All stages		• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.
			Avoid overcrowding.
			Provide adequate clean drinking water+electrolyte and multi-
]	vitamins

Cattle	All stages	FMD	 Give broad-spectrum antihelmintic drugs as per prescribed doses. Vaccination as per the schedule with proper consultation with vet. ▶ Day old chick: HVT Marek disease vaccine, 4-7 days:	
Contact Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 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: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May, 2017
Rainfall = 5.1 mm (Roing)	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 30-32°C and 22-23°C respectively. Expected morning
	and evening relative humidity will be 82-88% and 42-48%
	respectively. Wind direction is mainly E with speed range of 4-5
	kmph.
Warning:	Rain/thundershowers are likely in few 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

Cwon	Stage	Pest/Disease	Precautionary Practices to be followed
Crop	Stage		FIELD CROPS
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Soybean	Sowing		Right time for sowing of soybean
Boybean	bowing		Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			 Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Jhum field	Sowing		Adopt sowing of leguminous crops like cowpea, frenchbean,
			soybean etc at 2-3 rows across the slope of jhum field at
			desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility.
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing to avoid fungal
			Cowpea variety (Kashi Kanchan) and Frenchbean variety
			(Selection-9) are advocated for intercropping as they are short
			duration, dwarf and high yielding.
_			VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
			On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests
			 In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
1		HORT	TICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	• Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			• Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5
			X 2.5 meter plant to plant and row to row distance.
			 Denavelling (removal of male bud) to improve bunch weight
			Bagging of bunches to protect against unusual rainfall.
Orchards			Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Large Cardamom	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10
	C		cm apart followed by mulching & regular light irrigation.
			The duration of primary nursery being 3-4 months.
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmth LIVESTOCKS
Livestock	Store	Disease	Precautionary Practices to be followed
Fishery	Stage Fingerlings	Disease	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
1 ISHCI Y	ı mgerniigə	1	- Divaucasting of Musicial Coli Cake (MOC) & Skg/pond twice

			daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Animals should be given lukewarm feed and water. 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
Poultry	All stages		 Give broad-spectrum antihelmintic drugs as per prescribed doses. Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light
Cattle	All stages	FMD	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Contact Scien	usis (ICAK) or	State Agrii Staii	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Lower Subansiri

No: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall = 0.0 mm (Ziro)	Partly cloudy with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	30-33°C and 22-23°C respectively. Expected morning and evening
	relative humidity will be 92-94% and 50-57% respectively. Wind
	direction is variable with speed range of 2-3 kmph.
Warning:	Rain/thundershowers are likely in few 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
Soybean	Sowing		Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 & VD 708 and be applied and religious delayers.
Jhum field	Sowing		VR-708 can be carried out without delay.
		G. 1	Manual weeding advocated
Rice	Seedling	Stem borer	 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			 Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. On clear/dry weather or using sticker (@1ml/lit), spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
			VEGETABLES
Pre-summer vegetables Citrus Banana	Seedling/vegetative Fruiting Vegetative	HORT Citrus scab/ leaf miner	 Provision of drainage to remove excess water followed by earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development. On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed. TCULTURAL CROPS Spray of Difenocomazole 25EC@0.05% against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid 17.8%SL@0.2ml/lit of water against citrus leaf miner. Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch
Orchards			 weight Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Large Cardamom	Sowing		 Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
Honey bees			 Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings

Pigs	All stages	FMD (high fever	Animals should be given lukewarm feed and water.
		and appearance	 Keep the houses dry and clean.
		of mucous	1 st injection at 6 months of age and 2 nd injection at 12 months of
		membrane of the	age followed by annual vaccination under vet supervision
		mouth and foot.)	
Poultry	All stages	•	• Give broad-spectrum antihelmintic drugs as per prescribed
			doses.
			• Follow 'All in All out' system of rearing and do not rear birds of different age groups together.
			• Avoid overcrowding.
		•	 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/provide artificial heating and light
Cattle	All stages	FMD	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 Scien	ntists (ICAR) or	State Agril Staff o	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Papum Pare

No: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall: 55.6 mm; T. Max: 36.0°C; T. Min: 20.0°C; RH: 59-84%	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 33-35°C and 22-23°C respectively. Expected morning and evening relative humidity will be 92-94% and 50-57% respectively. Expected wind direction is mainly E & ENE with speed range of 2-3 kmph.
Warning:	Rain/thundershowers are likely in few 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
Soybean	Sowing		 FIELD CROPS Right time for sowing of soybean Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	 Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize. Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. On clear/dry weather or using sticker (@1ml/lit), spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
Jhum field	Sowing		Manual weeding advocated
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development. On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
		HORT	ICULTURAL CROPS
Orchards			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Honey bees			 Honey Bees Box must be covered with straw/dry leaves to provide
			warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice doily advanted for healthy financings.
Cattle	All stages	FMD	 daily advocated for healthy fingerlings 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with

			little potash (KMnO ₄) or neem leaves
			• Long hair near the udder/stomach/back legs should be teamed short.
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		 Give broad-spectrum antihelmintic drugs as per prescribed doses. Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light
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: - <u>IAAS.BASAR@gmail.com</u>, Phone Number: - 03795-226247/37, -96 (Fax)

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tawang

No: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall = 28.0 mm	Partly cloudy with possibility of light rainfall. Daily maximum
	and minimum temperature for the following period is predicted to be
	13-14°C and 8-9°C respectively. Expected morning and evening
	relative humidity will be 79-84% and 48-59% respectively. Wind
	direction is mostly ESE with probable speed range of 4-5 kmph.
Warning:	Rain/thundershowers are likely in few 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

	Stage	Pest/Disease	Precautionary Practices to be followed
G 1	g :		FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize
			• Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
			• On clear/dry weather or using sticker (@1ml/lit), spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery
			as well as in main field.
Jhum field	Sowing		Manual weeding advocated on clear/dry day.
			VEGETABLES
Pre-summer	Seedling/		
vegetables	vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables.
			• On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pests
			In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system made of bamboo + sticks.
			• Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
			ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against
			citrus leaf miner.
Orchards			Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent putriont loss during beauty downpour.
Orchards			 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low
	Sanda		 (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
Orchards Large Cardamom	Sowing		 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10
	Sowing		 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
	Sowing		 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Large Cardamom	Sowing		 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees
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Large Cardamom	Sowing		 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems
Large Cardamom Honey bees		Disease	 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS
Large Cardamom Honey bees Livestock	Stage	Disease FMD (high fever	(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed
Large Cardamom Honey bees		FMD (high fever	(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed • Animals should be given lukewarm feed and water.
Large Cardamom Honey bees Livestock	Stage		(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed • Animals should be given lukewarm feed and water. • Keep the houses dry and clean.
Large Cardamom Honey bees Livestock	Stage	FMD (high fever and appearance of mucous membrane of the	(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed • Animals should be given lukewarm feed and water.
Large Cardamom Honey bees Livestock	Stage	FMD (high fever and appearance of mucous	(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed • Animals should be given lukewarm feed and water. • 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 • Give broad-spectrum antihelmintic drugs as per prescribed
Large Cardamom Honey bees Livestock Pigs	Stage All stages	FMD (high fever and appearance of mucous membrane of the	 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. 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 Give broad-spectrum antihelmintic drugs as per prescribed doses.
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Large Cardamom Honey bees Livestock Pigs	Stage All stages	FMD (high fever and appearance of mucous membrane of the	 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. 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 Give broad-spectrum antihelmintic drugs as per prescribed doses. Follow 'All in All out' system of rearing and do not rear birds of different age groups together.
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Large Cardamom Honey bees Livestock Pigs	Stage All stages	FMD (high fever and appearance of mucous membrane of the	(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed • Animals should be given lukewarm feed and water. • 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 • Give broad-spectrum antihelmintic drugs as per prescribed doses. • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding. • Provide adequate clean drinking water+electrolyte and multi-
Large Cardamom Honey bees Livestock Pigs	Stage All stages	FMD (high fever and appearance of mucous membrane of the	(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Provide sugar syrup near the box • Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed • Animals should be given lukewarm feed and water. • 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 • Give broad-spectrum antihelmintic drugs as per prescribed doses. • Follow 'All in All out' system of rearing and do not rear birds of different age groups together. • Avoid overcrowding.

			➤ 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 artificial heating and light
Cattle	All stages	FMD	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route.
			• Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	ntists (ICAR) or	State Agril Staf	f or KVK staff for measures against adverse conditions or call

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

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

District: Tirap

No: 40/2017/Fri Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May, 2017
Rainfall = 19.4 mm (Deomali)	Variable weather with possibility of light rainfall. Daily maximum and minimum temperature for the following period is predicted to be 32-33°C and 21-23°C respectively. Expected morning and evening relative humidity will be 86-93% and 56-61% respectively. Wind direction is mainly SW with speed range of 2 kmph.
Warning:	Rain/thundershowers are likely in few 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
G 1	T a .	1	FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	 Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field. Careful timing of planting can avoid damage; once the tillering stage is over, attack of some insects reduces. Follow clean cultivation, presence of grasses near the rice crop favors build-up of pest population Seedling root dip treatment in 0.02% of Chlorpyriphos 20EC for 12 hours before transplanting protects the crop for 20 to 30 days Avoid closer spacing while transplantation which creates favorable microclimate for pests in the field. Follow wider
Jhum field	Sowing		 spacing of 20X15cm. Manual weeding advocated on clear/dry day Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short
			 duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
	1		VEGETABLES
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed by earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development. On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ridge gourd etc, earthing up to be done followed by manuring; and stacking should be followed and trained on a bower system made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
			ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight Bagging of bunches to protect against unusual rainfall.
Orchards			Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent

Large Cardamom	Sowing		nutrient loss during heavy downpour. • Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards • Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Honey Bees • Box must be covered with straw/dry leaves to provide warmth
<u> </u>			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings	Discuse	Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
	0 0		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
Poultry	All stages		 Give broad-spectrum antihelmintic drugs as per prescribed doses. Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 pow vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Cattle	All stages	FMD	 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	ent (ICLD)	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. Tor KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 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: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May, 2017
Rainfall = 2.0 mm (Tuting)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 30-31°C and 20-22°C respectively. Expected
	morning and evening relative humidity will be 85-87% and 49-55%
	respectively. Wind direction is mainly SSE & S with speed range of
	3-4 kmph.
Warning:	Rain/thundershowers are likely in few places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Caribaan	Covvina		FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
7.5	**		Carbendazim @ 2g/kg seed before sowing
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			• On clear/dry weather or using sticker (@1ml/lit), spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field.
			• Cut the tips of the leaves before transplanting reduces the population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Jhum field	Sowing		Manual weeding advocated on clear/dry day
			VEGETABLES
Pre-summer	Seedling/	<u> </u>	Provision of drainage to remove excess water followed by
vegetables	vegetative		 Provision of dramage to remove excess water followed by earthing up in vegetables. On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			 against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system made of bamboo + sticks.
			 Seed treatment: Before sowing treat seed with trichoderma viridi1% WP @ 10g/kg seed.
		HORT	ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf	Spray of Difenocomazole 25EC@0.05% against citrus scab in
		miner	 Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid 17.8%SL@0.2ml/lit of water against
Banana	Vegetative		citrus leaf miner.
Danana	vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance. Denayelling (removal of male bud) to improve bunch
			weight
			0
Orchards		l i	• Bagging of bunches to protect against unusual rainfall.
			 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops
			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low
			 Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Honov hoos			 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			 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			 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 Provide sugar syrup
			 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 Provide sugar syrup LIVESTOCKS
Honey bees Livestock	Stage	Disease	 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 Provide sugar syrup
	Stage All stages	FMD (high fever	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water.
Livestock		FMD (high fever and appearance	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. Keep the houses dry and clean.
Livestock		FMD (high fever and appearance of mucous	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of
Livestock		FMD (high fever and appearance	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. Keep the houses dry and clean.
Livestock		FMD (high fever and appearance of mucous membrane of the	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of
Livestock Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. 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 Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
Livestock Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. 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 Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Follow 'All in All out' system of rearing and do not rear birds of
Livestock Pigs	All stages	FMD (high fever and appearance of mucous membrane of the	 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 Provide sugar syrup LIVESTOCKS Precautionary Practices to be followed Animals should be given lukewarm feed and water. 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 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 artificial heating and light
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Cattle	All stages	FMD	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

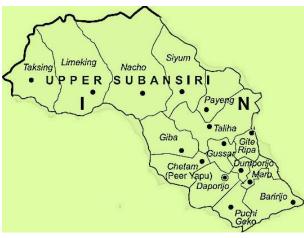


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No No: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall = NA (Puchi Geko); Daporijo: 0.0	Partly cloudy with possibility of light/moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 30-32°C and 22-23°C respectively. Expected
	morning and evening relative humidity will be 92-94% and 65-78%
	respectively. Expected wind direction is variable with speed range
	of 2 kmph.
Warning	Rain/thundershowers are likely in few 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
			FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Finger millet	Sowing		• Sowing of short duration finger millet varieties like VL-324 &
i inger miner	50 Wing		VR-708 can be carried out without delay.
Rice	Coodling	Stem borer	·
Rice	Seedling	Stelli borer	• Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
Maize	Knee height		• Carry out thinning and earthing up in maize without delay
Jhum field	Sowing		Manual weeding advocated on clear/dry day
			VEGETABLES
Pre-summer	Seedling/	T	Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
8			
			On clear/dry weather, spray Boom (organic liquid manure) @ Analytic of motion for a property and development.
			4ml/lit of water for proper growth and development.
			• On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pests
			• In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			• Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
	<u> </u>	HORT	ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf	• Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in
		miner	Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			• Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against
			citrus leaf miner.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5
			X 2.5 meter plant to plant and row to row distance.
			 Denavelling (removal of male bud) to improve bunch
			weight
			 Bagging of bunches to protect against unusual rainfall.
Orchards			• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent
			nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards Honey Bees
Hanay bass		T	
Honey bees			Provide sugar syrup near the box Add insulation and ventilation systems.
			Add insulation and ventilation systems LIVESTOCKS
<u> </u>	g,	7.	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
Cattle	All stages	FMD	• 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
~.		The district	short.
Pigs	All stages	FMD (high fever	
		and appearance	newly born piglets.
		of mucous membrane of the	Animals should be given lukewarm feed and water.
	Ī	Timemprane of the	• All animals should be tethered in a covered shelter. Keep the
			The difficulty blooms be tellered in a covered bliefer. Reep the
		mouth and foot.)	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
Poultry	All stages		 Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light
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 S	tate Agril Staf	of or KVK staff for measures against adverse conditions or call

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)

at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 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: 40/2017/Fri

Dated: 19th May, 2017



Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong:	Partly cloudy with possibility of light/moderate rainfall. Daily
10.2 mm	maximum and minimum temperature for the following period is
	predicted to be 16-17°C and 11-12°C respectively. Expected
	morning and evening relative humidity will be 85-91% and 51-65%
	respectively. Wind direction is mainly ENE with speed range of 2-3
	kmph.
Warning:	Rain/thundershowers are likely in few places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Carala	G :		FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 & VR-708 can be carried out without delay.
Rice	Seedling	Stem borer	Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
			rice nursery as well as in main field.Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It
Jhum field	Sowing		 will reduce the carryover of the infestation to the main field. Manual weeding advocated on clear/dry weather
	8		VEGETABLES
Pre-summer	Seedling/		Provision of drainage to remove excess water followed by
vegetables	vegetative		earthing up in vegetables.
			 On clear/dry weather, spray Boom (organic liquid manure) @ 4ml/lit of water for proper growth and development.
			On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pestsIn cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system made of bamboo + sticks.
			• Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
~			TCULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
			• Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water against citrus leaf miner.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch weight
			Bagging of bunches to protect against unusual rainfall.
Orchards			Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
			Honey Bees
Honey bees			Provide sugar syrup near the box
			Add insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Cattle	All stages	FMD	 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.

Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Animals should be given lukewarm feed and water. 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 	
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. 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 artificial heating and light 	
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				

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at 03795-226237/226247

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 20th to 23rd May 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: 40/2017/Fri

Dated: 19th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 24 th May 2017
Basar: Rainfall = 12.4 mm. T. Max: 31.0°C,	Partly cloudy with possibility of light/moderate rainfall. Daily
T. Min: 18.3°C, RH: 47-92%, Wind Speed:	maximum and minimum temperature for the following period is
3-6 kmph, Wind Direction: SW & NW	predicted to be 32-34°C and 22-23°C respectively. Expected
Along: 1.0 mm	morning and evening relative humidity will be 90-93% and 61-72%
	respectively. Wind direction is mainly SW & WSW with speed
	range of 2-3 kmph.
Warning:	Rain/thundershowers are likely in few places

Weather Based Agro-meteorological Advisories Bulletin

General Recommendations

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
		T	FIELD CROPS
Soybean	Sowing		Right time for sowing of soybean
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 & VD 700
) / ·	YZ 1 1 1 .		VR-708 can be carried out without delay.
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Rice	Seedling	Stem borer	 Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice and maize.
			Cut the tips of the leaves before transplanting reduces the
			population of stem borer as the eggs are laid on that site. It will reduce the carryover of the infestation to the main field.
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield
Jhum field	Sowing		Manual weeding advocated on clear/dry weather
7	G 11: /	T	VEGETABLES
Pre-summer vegetables	Seedling/ vegetative		Provision of drainage to remove excess water followed by Application of the second seco
vegetuoies	vegetative		earthing up in vegetables.On clear/dry weather, spray Boom (organic liquid manure) @
			4ml/lit of water for proper growth and development.
			On clear day, spray Azadirachtin 0.15EC@ 6ml/lit water
			against insect pests
			In cucurbitaceous crops like bottle gourd, cucumber, ridge
			gourd etc, earthing up to be done followed by manuring; and
			stacking should be followed and trained on a bower system
			made of bamboo + sticks.
			Seed treatment: Before sowing treat seed with trichoderma
			viridi1% WP @ 10g/kg seed.
			ICULTURAL CROPS
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
		miner	Spray Imidaclorpid 17.8%SL@0.2ml/lit of water against
			citrus leaf miner.
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
			Denavelling (removal of male bud) to improve bunch
			weightBagging of bunches to protect against unusual rainfall.
Orchards			Prepare half moon terraces in fruit crops
orenaras			(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			Follow proper drainage and earthing up practices in low
Large Cardamom	Sowing		 land/plain areas to avoid water stagnation in fruit orchards Should be sown in Primary nursery bed at 2cm deep and 10
Large Cardamoni	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
			• The duration of primary nursery being 3-4 months.
			Honey Bees
Honey bees			Box must be covered with straw/dry leaves to provide
			warmth
			Provide sugar syrup THYPOTO CARG
**	Ct	D:	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
Cattle	All stages	FMD	• 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
1		•	

				short.		
	Pigs	All stages All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Provide adequate bedding material (paddy straw, rice husk) to newly born piglets. Animals should be given lukewarm feed and water. 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 Give broad-spectrum antihelmintic drugs as per prescribed doses. Follow 'All in All out' system of rearing and do not rear birds of different age groups together. 		
				 Avoid overcrowding. 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 artificial heating and light 		
N	Iithun		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. 		
Con	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call					

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