Agro-met Advisory Bulletin

(Period: 27th to 30th 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: Dibang Valley

No: 42/2017/Fri Dated: 26th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 31st May, 2017
Rainfall = 25.0 mm (Anini)	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 72-86% and 35-51% respectively. Wind direction is mainly E with speed range of 4-6 kmph.
Warning:	 Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

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
Rice	Nursery/transpl	Stem borer	• Cut the tips of the leaves before transplanting reduces the
	anting		population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
			• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
			rice nursery as well as in main field during sunny days
Jhum field	Tillering		Manual weeding advocated
			Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
Covhoon	Corring		<u> </u>
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 &
8	238		VR-708 can be carried out without delay.
			VEGETABLES
Pre-summer	Seedling/		B
vegetables	vegetative		• Provision of drainage to remove excess water followed by earthing up in vegetables.
	C		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 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
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Banana	Vegetative		Planting of banana making pit maintaining at a spacing of 2.5
Banana	Vegetative		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	• 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.
Ginger/Turmeric	Sowing/		Disease free ginger/turmeric rhizomes of 30-40g having
Ginger/Turmerie	germination		
	germmation		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
Large Cardanioni	Downing		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.
			Honey Bees
Honey bees			In case of rain provide sugar syrup
			LIVESTOCKS
	<u> </u>		
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 	
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	(CAR)	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: 27th to 30th 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: 41/2017/Tue Dated: 23rd May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May 2017
Rainfall = 25.6 mm	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 75-95% and 45-64% respectively. Expected wind direction is mainly NE with speed range of 3-5 kmph.
Warning:	 Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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
Finger millet	Sowing		Sowing of short duration finger millet varieties like VL-324 &
			VR-708 can be carried out without delay.
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.
Dingannla	Vogototivo	HORT	ICULTURAL CROPS
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
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 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.
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings

			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		• Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
			daily advocated for healthy fingerlings
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 por 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 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.

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

Agro-met Advisory Bulletin

(Period: 27th to 30th 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 Siang

No: 42/2017/Fri

Dated: 26th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 31 st May 2017
Rainfall: 89.5 mm; T. Max: 28.0°C; T. Min:	Partly cloudy with possibility of moderate rainfall. Daily
22.0°C; RH: 86-96%	maximum and minimum temperature for the following period is
	predicted to be 26-33°C and 21-23°C respectively. Expected
	morning and evening relative humidity will be 78-88% and 36-57%
	respectively. Expected wind direction is mainly W and WNW with
	speed range of 3-6 kmph.
Warning:	 Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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
			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.
		HORT	TCULTURAL CROPS
Pineapple	Vegetative		 Earthing-up and removal of excess suckers for better plant establishment and anchorage.
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 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

oney 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 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 day F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 day F/Lasota, 6-7 weeks: Chicken embryo adopted fowl povaccine and 56-70 days: RD R-2B strain. 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 injection followed by annual vaccination under vet supervision
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 month of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided
Contact Scien	ntists (ICAR) or		f or KVK staff for measures against adverse conditions or cal 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 31 st May 2016
Past weather summary not available	Variable weather with possibility of light/moderate rainfall till
	29 th May. Daily maximum and minimum temperature for the
	following period is predicted to be 22-26°C and 15-16°C
	respectively. Expected morning and evening relative humidity will
	be 86-90% and 51-77% respectively. Wind direction is mainly E
	with speed range of 2-4 kmph.
Warning	Heavy rainfall is very likely to occur at isolated places on
	27th and 30th May

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
Стор	Buge		FIELD CROPS
Rice	Nursery/transpl	Stem borer	• Cut the tips of the leaves before transplanting reduces the
	anting		population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
			• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
			rice nursery as well as in main field during sunny days
Jhum field	Tillering		Manual weeding advocated
			• Top dressing of urea one third of recommended dose can be
			carried out in upland/jhum rice
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 &
	C		VR-708 can be carried out without delay.
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.
		HORT	ICULTURAL CROPS
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Citrus	Fruiting	Citrus scab/ leaf	• Spray of Difenocomazole 25EC@0.05% against citrus scab in
	S	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.
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
	S		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
.	G.:	p:	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
1		1	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.)	newly born piglets. • Animals should be given lukewarm feed and water.
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 Scien	tists (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31st May, 2017
Rainfall = 56.4 mm (Tezu)	Partly cloudy weather with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 23-26°C and 15-16°C respectively. Expected morning
	and evening relative humidity will be 81-87% and 47-64%
	respectively. Wind direction is E with speed range of 3-5 kmph.
Warning:	Heavy rainfall is very likely to occur at isolated places on
	27th and 30th May

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
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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.
			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.
		HORT	ICULTURAL CROPS
Pineapple	Vegetative		 Earthing-up and removal of excess suckers for better plant establishment and anchorage.
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 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
	, suge	DISCUSE	2 recommend 2 ruences to be ronowed

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 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	 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	itists (ICAR) or	State Agril Staff	or KVK staff for measures against adverse conditions or call

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May, 2017
Rainfall = 73.4 mm (Roing)	Partly cloudy with possibility of moderate/rather heavy rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 22-26°C and 15-16°C respectively. Expected
	morning and evening relative humidity will be 69-85% and 32-45%
	respectively. Wind direction is mainly E with speed range of 4-6
	kmph.
Warning:	• Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease		Precautionary Practices to be followed
Maize	Knee height			LD CROPS Carry out thinning and earthing up in maize without delay
Soybean	Sowing			Right time for sowing of soybean
Soybean	bowing			• Carry out seed dressing/treatment with Thiram or
				Carbendazim @ 2g/kg seed before sowing
Rice	Nursery/transpl	Stem borer	,	• Cut the tips of the leaves before transplanting reduces the
	anting			population of stem borer as the eggs are laid on that site. It
				will reduce the carryover of the infestation to the main field.
			'	• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
Jhum field	Tillering			rice nursery as well as in main field during sunny days
Jrium Heid	Tillering			Manual weeding advocatedTop dressing of urea one third of recommended dose can be
			,	carried out in upland/jhum rice
Finger millet	Sowing			• Sowing of short duration finger millet varieties like VL-324 &
	C			VR-708 can be carried out without delay.
			VEG	ETABLES
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) @
			l .	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
		ПОВТ	TOTI	viridi1% WP @ 10g/kg seed. LTURAL CROPS
Pineapple	Vegetative	HOKI		• Earthing-up and removal of excess suckers for better plant
	S			establishment and anchorage.
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
			١.	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. oney Bees
Honey bees				Box must be covered with straw/dry leaves to provide
J				warmth
			LIV	ESTOCKS
Livestock	Stage	Disease		Precautionary Practices to be followed
Fishery	Fingerlings			Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
Digg	All stores	EMD (high farm		daily advocated for healthy fingerlings
Pigs	All stages	FMD (high fever and appearance		Animals should be given lukewarm feed and water. 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 mouth and foot.)		age followed by annual vaccination under vet supervision
a.		mouth and toot)	1	

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

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

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31st May 2017
Rainfall = NA (Ziro)	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 19-23°C and 12-13°C respectively. Expected
	morning and evening relative humidity will be 86-94% and 51-77%
	respectively. Wind direction is mainly SE with speed range of 2-4
	kmph.
Warning:	Heavy rainfall is very likely to occur at isolated places on
	27th and 30th May

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
	Ğ		FIELD CROPS
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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. **TOTAL PARTY FOR
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
		HODE	viridi1% WP @ 10g/kg seed.
Pineapple	Vegetative	HOKI	 ICULTURAL CROPS Earthing-up and removal of excess suckers for better plant
Тисарріс			establishment and anchorage.
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 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	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: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31st May 2017
Rainfall: 86.2 mm; T. Max: 29.0°C; T. Min:	Partly cloudy with possibility of light/moderate rainfall till 29 th
21.0°C; RH: 86-96%	May. Daily maximum and minimum temperature for the following
	period is predicted to be 28-32°C and 22-24°C respectively.
	Expected morning and evening relative humidity will be 76-92%
	and 40-55% respectively. Expected wind direction is variable with
	speed range of 2-3 kmph.
Warning:	 Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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.
D	G 11: /		VEGETABLES
Pre-summer vegetables Pineapple Orchards	Seedling/ vegetative Vegetative	HORT	 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 Earthing-up and removal of excess suckers for better plant establishment and anchorage. 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
Banana	Vegetative		 land/plain areas to avoid water stagnation in fruit orchards 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
	~ :	70.	LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Fishery	Fingerlings		Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice
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 (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.)	• 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

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May 2017
Rainfall = 1.0 mm	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 15-17°C and 9-10°C respectively. Expected morning
	and evening relative humidity will be 76-84% and 45-69%
	respectively. Wind direction is mostly E with probable speed range
	of 4-6 kmph.
Warning:	Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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.
_	~	T	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.
		ПО Т	TCULTURAL CROPS
Pineapple	Vegetative	noki	Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
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 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			Provide sugar syrup near the boxAdd insulation and ventilation systems
			Add insulation and ventilation systems LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	*
Poultry	All stages	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 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. 		
Mithun	district (ICAB) are	FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 		
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call				

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May, 2017
Rainfall = 37.2 mm (Deomali)	Variable weather with possibility of light rainfall till 28 th May and no rain afterwards. Daily maximum and minimum
	temperature for the following period is predicted to be 26-32°C and 23-25°C respectively. Expected morning and evening relative humidity will be 87-94% and 50-71% respectively. Wind direction
	is mainly ESE and SE with speed range of 2 kmph.
Warning:	 Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

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
Rice	Nursery/transpl anting	Stem 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. Proceedings of the infestation of the main field.
Thum field	Tillouing		Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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.
			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.
		HORT	ICULTURAL CROPS
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
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 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		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

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

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May, 2017
Rainfall = 25.6 mm (Tuting)	Partly cloudy with possibility of moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 20-23°C and 12-13°C respectively. Expected
	morning and evening relative humidity will be 68-83% and 40-49%
	respectively. Wind direction is mainly SE and SSE with speed range
	of 4-6 kmph.
Warning:	Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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.
			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.
Pineapple	Vegetative	HORT	ICULTURAL CROPS
Гінеарріе	vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
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 Honey Bees
Honey bees			
Tioney bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<u> </u>
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.

Fishery	Fingerlings		 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 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.

at 03795-226237/226247

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

Agro-met Advisory Bulletin

(Period: 27th to 30th May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

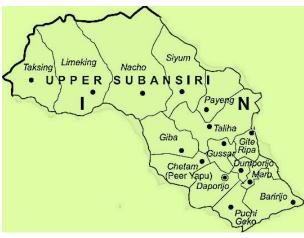


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May 2017
Rainfall = NA (Puchi Geko); Daporijo: 3.0	Partly cloudy with possibility of light/moderate rainfall. Daily
mm	maximum and minimum temperature for the following period is
	predicted to be 18-23°C and 12-13°C respectively. Expected
	morning and evening relative humidity will be 89-92% and 54-78%
	respectively. Expected wind direction is mainly SW with speed
	range of 3-4 kmph.
Warning	Heavy rainfall is very likely to occur at isolated places on
	27th and 30th May

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
D.	NY /:		FIELD CROPS
Rice	Nursery/transpl anting	Stem borer	• Cut the tips of the leaves before transplanting reduces the
	anting		population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
			• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
Jhum field	Tillering		rice nursery as well as in main field during sunny days
Jnum Heid	Tillering		Manual weeding advocated The description of ware one third of recommended does can be
			Top dressing of urea one third of recommended dose can be corried out in unland/ibum rice.
Soybean	Sowing		carried out in upland/jhum rice
Soybean	Sowing		Right time for sowing of soybean Communication descripts the sound of the sou
			• 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 &
Tinger minet	Sowing		VR-708 can be carried out without delay.
Maize	Knee height		Carry out thinning and earthing up in maize without delay
1110120	111100 Horgine		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.
D: 1	**	HORT	ICULTURAL CROPS
Pineapple	Vegetative		• Earthing-up and removal of excess suckers for better plant establishment and anchorage.
Citrus	Fruiting	Citrus scab/ leaf	• Spray of Difenocomazole 25EC@0.05% against citrus scab in
	110111119	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.
			• Hangyalling (ramoval of mala hild) to improve hilled
			Denavelling (removal of male bud) to improve bunch weight
			weight
Orchards			 weight Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops
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
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.
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. Follow proper drainage and earthing up practices in low
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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Orchards Honey bees			 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees
			 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees
			 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box
	Stage	Disease	 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems
Honey bees	Stage Fingerlings	Disease	 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS
Honey bees Livestock		Disease	 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings
Honey bees Livestock		Disease FMD	 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st
Honey bees Livestock Fishery	Fingerlings		 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice 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
Honey bees Livestock Fishery	Fingerlings		 Bagging of bunches to protect against unusual rainfall. Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice 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
Honey bees Livestock Fishery	Fingerlings		 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice 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
Honey bees Livestock Fishery	Fingerlings		 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice 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 (KMnO4) or neem leaves
Honey bees Livestock Fishery	Fingerlings		 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. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Honey Bees Provide sugar syrup near the box Add insulation and ventilation systems LIVESTOCKS Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice 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 (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.

		and appearance of mucous membrane of the mouth and foot.)	The difficulty should be tellered in a covered sheller. Heep the		
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	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: 27th to 30th 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: 42/2017/Fri

Dated: 26th May, 2017



Weather summery of the previous week	Weather forecast valid up to 31 st May 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 79.0 mm	Partly cloudy with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 19-23°C and 12-13°C respectively. Expected morning and evening relative humidity will be 72-91% and 44-65% respectively. Wind direction is mainly NE with speed range of 2-5 kmph.
Warning:	 Heavy rainfall is very likely to occur at isolated places on 27th and 30th May

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
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in rice nursery as well as in main field during sunny days
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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.
			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.
	<u> </u>	HORT	ICULTURAL CROPS
Pineapple	Vegetative		Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
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 Scien	ntists (ICAR) or		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: 24th to 26th 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: 42/2017/Fri Dated: 26th 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 31 st May 2017
Basar: Rainfall = 34.6 mm. T. Max: 24.4°C,	Partly cloudy with possibility of moderate rainfall. Daily
T. Min: 19.2°C, RH: 75-92%, Wind Speed:	maximum and minimum temperature for the following period is
3-6 kmph, Wind Direction: NE & WSW	predicted to be 27-31°C and 22-23°C respectively. Expected
Along: 18.0 mm	morning and evening relative humidity will be 91-93% and 66-81%
	respectively. Wind direction is mainly ESE with speed range of 2-3
	kmph.
Warning:	 Thundersquall with wind speed exceeding 50kmph is likely in isolated places over Arunachal Pradesh Heavy rain is very likely to occur in few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Rice	Nursery/transpl anting	Stem 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. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
Jhum field	Tillering		 rice nursery as well as in main field during sunny days Manual weeding advocated Top dressing of urea one third of recommended dose can be carried out in upland/jhum rice
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 Pulses	Knee height Vegetative		Carry out thinning and earthing up in maize without delay Apply bis substance @201/8/4 materials are property.
1 uises	Vegetative		Apply biosulphur @2ml/lit water to enhance yield NECLETA DE LOC
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	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 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Honey boos			Honey Bees Poy must be covered with strong/dry leaves to provide
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 daily advocated for healthy fingerlings.
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	• Provide adequate bedding material (paddy straw, rice husk) to
		and appearance	newly born piglets.
		of mucous	 Animals should be given lukewarm feed and water.
		membrane of the	in the measure of the many three states.
		mouth and foot.)	injection at 6 months of age and 2 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 multi- vitamins
			 Vaccination as per the schedule with proper consultation with vet.
			 Day old chick: HVT Marek disease vaccine, 4-7 days
			F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days
			*
			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl po
			vaccine and 56-70 days: RD R-2B strain.
			Remove wet litter/provide artificial heating and light
Mithun		FMD	• Polyvalent FMD vaccine with serotype O, A and Asia at 6 month
			of age and repeat after that 6 months interval by sub-cutaneou
			route.
			• Pregnant animals above 7 months of pregnancy should be avoided

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

Agro-met Advisory Bulletin

(Period: 27th to 30th May 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

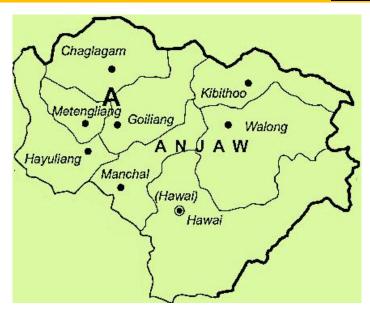


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 42/2017/Fri

Dated: 26th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 31 st May 2017
No weather summary available	Partly cloudy with possibility of light/moderate rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 23-26°C and 15-16°C respectively. Expected
	morning and evening relative humidity will be 80-88% and 35-50%
	respectively. Wind direction is mainly E at a speed range of 4-5
	kmph.
Warning:	Heavy rainfall is very likely to occur at isolated places on
	27th and 30th May

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



	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 &
			VR-708 can be carried out without delay.
Rice	Nursery/transpl	Stem borer	• Cut the tips of the leaves before transplanting reduces the
	anting		population of stem borer as the eggs are laid on that site. It
			will reduce the carryover of the infestation to the main field.
			• Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer in
71 01 11			rice nursery as well as in main field during sunny days
Jhum field	Tillering		Manual weeding advocated
			Top dressing of urea one third of recommended dose can be
26.			carried out in upland/jhum rice
Maize	Knee height		Carry out thinning and earthing up in maize without delay
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield
			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.
		HOR	FICULTURAL CROPS
Pineapple	Vegetative	_	Earthing-up and removal of excess suckers for better plant
			establishment and anchorage.
	N / 1 / 1		
Orchards	Multiple stages		• Prepare half moon terraces in fruit crops
Orchards	Multiple stages		(orange/banana/apple/peach) grown in steep slopes to prevent
Orchards	Multiple stages		(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
Orchards	Multiple stages		 (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low
Orchards Banana	Vegetative		(orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
	2 2		 (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 Planting of banana making pit maintaining at a spacing of 2.5 X 2.5 meter plant to plant and row to row distance.
	2 2		 (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 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
	2 2		 (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 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
Banana	Vegetative	Citrus scab/ leaf	 (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 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.
	2 2	Citrus scab/ leaf miner	 (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 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. Spray of Difenocomazole 25EC@0.05% against citrus scab in
Banana	Vegetative		 (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 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. Spray of Difenocomazole 25EC@0.05% against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
Banana	Vegetative Fruiting		 (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 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. Spray of Difenocomazole 25EC@0.05% against citrus scab in Khasi Mandarin. Mix sticker 1ml/lit in case of rain.
Banana	Vegetative Fruiting 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 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. 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 using stickers. Should be sown in Primary nursery bed at 2cm deep and 10
Banana	Vegetative Fruiting		 (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 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. 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 using stickers. Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Banana	Vegetative Fruiting 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 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. 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 using stickers. 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.
Banana	Vegetative Fruiting 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 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. 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 using stickers. Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
Banana	Vegetative Fruiting 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 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. 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 using stickers. 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
Banana Citrus Large Cardamom	Vegetative Fruiting Sowing/ germination	miner	 (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 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. 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 using stickers. 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
Banana Citrus Large Cardamom Livestock	Vegetative Fruiting Sowing/ germination	miner	 (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 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. 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 using stickers. 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 Precautionary Practices to be followed
Banana Citrus Large Cardamom Livestock	Vegetative Fruiting Sowing/ germination	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 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. 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 using stickers. 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 Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings Keep the houses dry and clean.
Banana Citrus Large Cardamom Livestock Fishery	Fruiting Sowing/ germination Stage Fingerlings	Disease FMD (high fever and appearance	(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 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. 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 using stickers. 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 Precautionary Practices to be followed Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of
Banana Citrus Large Cardamom Livestock Fishery	Fruiting Sowing/ germination Stage Fingerlings	Disease 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 • 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. • 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 using stickers. • 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 Precautionary Practices to be followed • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings • 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
Banana Citrus Large Cardamom Livestock Fishery	Fruiting Sowing/ germination Stage Fingerlings	Disease 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 • 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. • Spray of Difenocomazole 25EC@0.05% against citrus scab in Khasi Mandarin. Mix sticker Iml/lit in case of rain. • Spray Imidaclorpid 17.8%SL@0.2ml/lit of water against citrus leaf miner using stickers. • 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 Precautionary Practices to be followed • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings • 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
Banana Citrus Large Cardamom Livestock Fishery	Fruiting Sowing/ germination Stage Fingerlings	Disease 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 • 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. • 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 using stickers. • 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 Precautionary Practices to be followed • Broadcasting of Mustard Oil Cake (MOC) @ 5kg/pond twice daily advocated for healthy fingerlings • 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

			 different age groups together. Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter
Cattle	All stages	FMD	 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 Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247			

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

Agro-met Advisory Bulletin

(Period: 27th to 30th 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: Changlang

No: 42/2017/Fri

Dated: 26th May, 2017



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

Weather summery of the previous week	Weather forecast valid up to 31st May, 2017
Rainfall = Changlang: 19.6 mm Miao: 37.7	Partly cloudy weather forecasted with light/moderate rainfall.
mm	Daily maximum and minimum temperature for the following period
	is predicted to be 25-31°C and 23°C respectively. Expected morning
	and evening relative humidity will be 82-91% and 54-79%
	respectively. Wind direction is mainly E with speed range of 2-4
	kmph.
Warning	 Heavy rainfall is very likely to occur at isolated places on
	27th and 30th May

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	
Rice	Nursery/transpl anting	Stem borer	 Cut the tips of the leaves before transplanting reduces population of stem borer as the eggs are laid on that site will reduce the carryover of the infestation to the main field. Rice: Spray Triazophos 40EC @ 4 ml/lit against stem borer rice nursery as well as in main field during sunny days 	. It
Jhum field	Tillering		 Manual weeding advocated Top dressing of urea one third of recommended dose can carried out in upland/jhum rice 	be
Soybean	Sowing		 Right time for sowing of soybean Carry out seed dressing/treatment with Thiram Carbendazim @ 2g/kg seed before sowing 	or
Pulses	Vegetative		Apply biosulphur @2ml/lit water to enhance yield	
Maize	Knee height		Carry out thinning and earthing up in maize without del	lay
Finger millet	Sowing		 Sowing of short duration finger millet varieties like VL-324 VR-708 can be carried out without delay. 	1 &
2		I	VEGETABLES	-
Pre-summer vegetables	Seedling/ vegetative		 Provision of drainage to remove excess water followed 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 wa against insect pests In cucurbitaceous crops like bottle gourd, cucumber, ric gourd etc, earthing up to be done followed by manuring; a stacking should be followed and trained on a bower syst 	dge and
			 made of bamboo + sticks. Seed treatment: Before sowing treat seed with trichoders viridi1% WP @ 10g/kg seed. 	
D: 1	**	HORT	ICULTURAL CROPS	
Pineapple	Vegetative		 Earthing-up and removal of excess suckers for better pla establishment and anchorage. 	ant
Citrus	Fruiting	Citrus scab/ leaf miner	 Spray of Difenocomazole <u>25EC@0.05%</u> against citrus scab Khasi Mandarin. Mix sticker 1ml/lit in case of rain. Spray Imidaclorpid <u>17.8%SL@0.2ml/lit</u> of water again citrus leaf miner. 	
Banana	Vegetative		 Planting of banana making pit maintaining at a spacing of 2. X 2.5 meter plant to plant and row to row distance. Denavelling (removal of male bud) to improve bunch weight 	.5
			 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 cre (orange/banana/apple/peach) grown in steep slopes to prev nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in 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 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. 	10
11 1			Honey Bees	
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup 	
L	l	I	110 1100 bagai bijiap	

	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. 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. 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 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