Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 14.7 mm (Roing)	Mostly cloudy sky with possibility of light to heavy rainfall. Daily
	maximum and minimum temperature for the following period is
	predicted to be 20°C and 9°C respectively. Expected morning and
	evening relative humidity will be 70-96% and 31-89% respectively.
	Wind direction is East with speed range of 5-7 kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over 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
- 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				
Pea	Sowing		 Sowing of pea recommended for higher altitudes with raised bed of 15-20cm 		
			Provide proper drainage to already sown crops		
Maize	Sowing		Sowing of Maize advocated		
			Carry out seed dressing/treatment with Thiram or		
			Carbendazim @ 2g/kg seed before sowing		
Jhum field	Sowing		Adopt sowing of leguminous crops like cowpea, frenchbean,		
	· ·		soybean etc at 2-3 rows across the slope of jhum field at		
			desirable intervals or ratios with rice to prevent soil erosion		
			and conserve moisture and fertility.		
			Carry out seed dressing/treatment with Thiram or		
			Carbendazim @ 2g/kg seed before sowing to avoid fungal		
			Cowpea variety (Kashi Kanchan) and Frenchbean variety		
			(Selection-9) are advocated for intercropping as they are short		
			duration, dwarf and high yielding.		
			VEGETABLES		
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold		
	·		areas		
Pre-summer vegetables	Sowing	Nursery insects	Sowing of pre-summer vegetables like okra, frenchbean etc advocated		
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing		
			• Right time for transplanting the ready seedlings of chili,		
			tomato, capsicum etc.		
			 Provide proper drainage to newly transplanted seedlings and 		
			follow raised bed for sowing		
			 Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 		
			litres water/ha		
		норт	TICH THAL CDADS		
Ginger/Turmeric	Planting material		ICULTURAL CROPS • Identify healthy plants for seed rhizomes/ collect better		
Ginger/Turmeric	Planting material collection/ Land		Identify healthy plants for seed rhizomes/ collect better		
Ginger/Turmeric			Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw		
Ginger/Turmeric	collection/ Land		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade 		
Ginger/Turmeric	collection/ Land		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should 		
Ginger/Turmeric	collection/ Land		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance 		
Ginger/Turmeric	collection/ Land		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should 		
Ginger/Turmeric	collection/ Land		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing 		
Ginger/Turmeric Citrus	collection/ Land	Trunk borer/	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. 		
	collection/ Land preparation	Trunk borer/	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides 		
Citrus	collection/ Land preparation Flowering	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 		
	collection/ Land preparation	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. 		
Citrus	collection/ Land preparation Flowering	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 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. 		
Citrus Large Cardamom	collection/ Land preparation Flowering Sowing	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 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. 		
Citrus	collection/ Land preparation Flowering	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 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 Filling of nursery polybags for raising of takopalm seedlings 		
Citrus Large Cardamom Toko palm	collection/ Land preparation Flowering Sowing	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 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 Filling of nursery polybags for raising of takopalm seedlings Honey Bees 		
Citrus Large Cardamom	collection/ Land preparation Flowering Sowing	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 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 Filling of nursery polybags for raising of takopalm seedlings 		
Citrus Large Cardamom Toko palm	collection/ Land preparation Flowering Sowing	Trunk borer/ Phytophthora	 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 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 Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide 		

Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
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	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds

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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = 0.0 mm (Ziro)	Partly/mostly cloudy sky with possibility of light/moderate
	rainfall over most of the places. Daily maximum and minimum
	temperature for the following period is predicted to be 20°C and 8-
	9°C respectively. Expected morning and evening relative humidity
	will be 91-96% and 52-86% respectively. Wind direction is WSW
	with speed range of 2-6 kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over 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
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Pea	Sowing		 Sowing of pea recommended for higher altitudes with raised bed of 15-20cm Provide proper drainage to already sown crops
Maize	Sowing		 Sowing of Maize advocated Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Tomata	Vagatativa/Nur	Nursamingaats	VEGETABLES
Tomato	Vegetative/Nur sery	Nursery insects	 Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Pre-summer vegetables	Sowing	Nursery insects	 Sowing of pre-summer vegetables like okra, frenchbean etc advocated Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold
		HODE	areas
Cin con/Tramponio	Dlantin a matarial	HORT	
Ginger/Turmeric	Planting material collection/ Land preparation		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Banana	Bunching	Cold	Timely/regular removal of extra suckers, dry leaves & pseudo-
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.

Vivvi	Dlanting		D'4 (0 V(0 V(0 V(0 V(0 V(0 V(0 V(0 -
Kiwi Apple	Planting Vegetative	Wooly aphids	 Pit size: 60cmX60cmX60cm Spacing: 6mX4m (Plant to plant and row to row) In kiwi the male and female plants are borne on different vines. So a male plant is provided for pollination of 6-8 plants at every third plant from the second row. Pit filling: mixture of top soil, 20-30kg FYM along with chloropyriphos@25-30g/pit (to avoid insect damage) Swab the stem with mineral oil against wooly aphid.
	T	T	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
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Animals should be given lukewarm feed and water. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			• Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals The animal should be washed with lukewarm water added with little potash (KMnO₄) or neem leaves Long hair near the udder/stomach/back legs should be teamed short.
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scien	ntists (ICAR) or	_	or KVK staff for measures against adverse conditions or call 3795-226237/226247

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri



Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall: 14.2 mm; T. Max: 31.0°C; T. Min: 18.0°C; RH: 71-94%	Partly/mostly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 22-28°C and 16-17°C respectively. Expected morning and evening relative humidity will be 88-97% and 50-90% respectively. Expected wind direction is ESE with speed range of 3-5 kmph.
Warning:	 Heavy rainfall is likely to occur at isolated places on 2nd April Very heavy rainfall likely on 3rd April over 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
- 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
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding.
Maize	Sowing		 Sowing of early/local maize advocated in higher altitudes in raised bed of 15-20cm Provide proper drainage to newly sown plots
			VEGETABLES
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold
			areas
Tomato Pre-summer	Vegetative/Nur sery		 Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation Sowing of pre-summer vegetables like French bean, capsicum
vegetables	Sowing	Work	etc advocated, avoid during rainy days. • Seed treatment with Imidichloropid @ 1-2g/10kg is recommended before sowing
Ginger/Turmeric	Planting material		 Identify healthy plants for seed rhizomes/ collect better
	collection/ Land preparation		 seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
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.
Banana	Bunching	Cold	Timely/regular removal of extra suckers, dry leaves & pseudo- steam
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
Honey bees			Box must be covered with straw/dry leaves to provide warmth
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
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 (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		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 4 th April 2017
Rainfall = 11.0 mm	Mostly cloudy sky with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 14-18°C and 6°C respectively. Expected morning
	and evening relative humidity will be 80-91% and 46-68%
	respectively. Wind direction is S with probable speed range of 4-7
	kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over 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
- All spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Maize	Sowing		 Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
			VEGETABLES
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing	Nursery insects	 Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
C'.			ICULTURAL CROPS
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			Honey Bees
Honey bees			 Provide sugar syrup near the box Add insulation and ventilation systems
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	 Animals should be given lukewarm feed and water. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. ➤ Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.

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

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 8.4 mm (Deomali)	Mostly cloudy sky with possibility of light/moderate rainfall in
	most of the places. Daily maximum and minimum temperature for
	the following period is predicted to be 24-29°C and 17-23°C
	respectively. Expected morning and evening relative humidity will
	be 96-99% and 55-90% respectively. Wind direction is ESE with
	speed range of 2-4 kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over 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
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize/ cowpea	Sowing		 Right time for sowing of local/early maize and Cowpea Provide proper drainage to newly sown crops Seed treatment of early maize/cowpea with Imidichloropid @ 1-2g/10kg is recommended before sowing
Pre-summer	Sowing	Nursery insects	 VEGETABLES Sowing of pre-summer vegetables like okra, frenchbean etc
vegetables			 Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
		HORT	ICULTURAL CROPS
Ginger/Turmeric	Planting material collection/ Land preparation		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
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 purposes being 2.4 months.
			• The duration of primary nursery being 3-4 months. Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
1	, , , , , , , , , , , , , , , , , , ,		Honey Bees
			Box must be covered with straw/dry leaves to provide warmth
T 2	C4-	Discours	LIVESTOCKS Descriptions are Prostings to be followed.
Livestock	Stage	Disease EMD (high favor	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous	 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

		membrane of the		
		mouth and foot.)		
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light 	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
Cattle	All stages	FMD	 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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 2.4 mm (Tuting)	Variable weather with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 20-24°C and 14-15°C respectively. Expected
	morning and evening relative humidity will be 70-88% and 34-66%
	respectively. Wind direction is S with speed range of 3-6 kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	• Very heavy rainfall likely on 3 rd April over 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
- 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
Pea	Sowing		Sowing of pea recommended for higher altitudes with raised
			bed of 15-20cm
			Provide proper drainage to already sown crops
Maize	Sowing		Sowing of Maize advocated
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		Adopt sowing of leguminous crops like cowpea, frenchbean,
			soybean etc at 2-3 rows across the slope of jhum field at
			desirable intervals or ratios with rice to prevent soil erosion
			and conserve moisture and fertility.
			Cowpea variety (Kashi Kanchan) and Frenchbean variety
			(Selection-9) are advocated for intercropping as they are short
			duration, dwarf and high yielding.
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			VEGETABLES
Pre-summer	Sowing	Nursery insects	Sowing of pre-summer vegetables like okra, frenchbean etc.
vegetables	Sowing	runsery miseets	
vegetables			advocated, avoid during rainy days.
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			Right time for transplanting the ready seedlings of chili,
			tomato, capsicum etc.
			Provide proper drainage to newly transplanted seedlings and
			follow raised bed for sowing
			• Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500
			litres water/ha
		HORT	TCULTURAL CROPS
Ginger/Turmeric	•		Identify healthy plants for seed rhizomes/ collect better
	collection/ Land		seedlings from ICAR Basar or KVK West Siang/Anjaw
	preparation		Keep selected rhizomes for planting material in partial shade
			for better sprouting.
			Mulching materials like forest litters or crop residues should
			be collected in advance
			Land preparation to a fine tilth to be done before sowing
			during sunny days
			Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/	Budding method of propagation (T-budding) to commences in
	8	Phytophthora	oranges using Rangpur lime as rootstock.
		symptoms	Provide drainage ditches with gravel or stones to prevent
			erosion and allow vegetation to grow in ditches to slow run
			off.
			If infested with trunk-borer, on clear/dry day initiate drenching
			treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits
			Cleaning & smearing of trunk base with Bordeaux paste
			If flowering begins, avoid spray of insecticides/ pesticides
			as it may affect pollination process.
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
			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.)	
Poultry	All stages		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.
T: 1		•	Remove wet litter/provide artificial heating and light
Fishery			8 1
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	tists (ICAR) or		or KVK staff for measures against adverse conditions or call 195-226237/226247

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

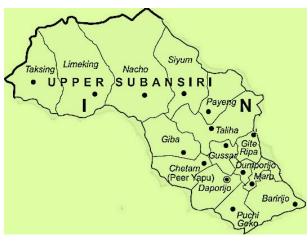


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Upper Subansiri

No: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = NA (Puchi Geko); Daporijo: 6.8	Partly/mostly cloudy with possibility of light/moderate rainfall.
mm	Daily maximum and minimum temperature for the following period
	is predicted to be 20°C and 9°C respectively. Expected morning and
	evening relative humidity will be 92-94% and 55-84% respectively.
	Expected wind direction is WNW with speed range of 2-4 kmph.
Warning	Heavy rainfall is likely to occur at isolated places on 2 nd April
	• Very heavy rainfall likely on 3 rd April over 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
- Avoid spray of insecticides during flowering stage as it may hinder pollination by honey bees and other insects.
- Spraying operation should be done only on dry/clear weather
- Go for low cost polyhouses for year round cultivation of vegetables
- Obtain seeds from reputed/certified/reliable source
- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Sowing		 Sowing of pea recommended for higher altitudes with raised bed of 15-20cm
			Provide proper drainage to already sown crops
Maize	Sowing		Sowing of Maize advocated
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		Adopt sowing of leguminous crops like cowpea, frenchbean,
			soybean etc at 2-3 rows across the slope of jhum field at
			desirable intervals or ratios with rice to prevent soil erosion
			and conserve moisture and fertility.
			Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short
			duration, dwarf and high yielding.
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
			VEGETABLES
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold
T	, ,		areas
Pre-summer vegetables	Sowing	Nursery insects	 Sowing of pre-summer vegetables like okra, frenchbean etc advocated
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
			• Right time for transplanting the ready seedlings of chili,
			tomato, capsicum etc.
			Provide proper drainage to newly transplanted seedlings and
			follow raised bed for sowing
			• Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500
			litres water/ha
			ICULTURAL CROPS
Ginger/Turmeric	Planting material collection/ Land		Identify healthy plants for seed rhizomes/ collect better Collect better Collect
	preparation		seedlings from ICAR Basar or KVK West Siang/Anjaw
	propulation		 Keep selected rhizomes for planting material in partial shade for better sprouting.
			 Mulching materials like forest litters or crop residues should be collected in advance
			Land preparation to a fine tilth to be done before sowing
			during sunny daysAvoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/	Avoid sowing of Ginger/Turnieric during rainy days Budding method of propagation (T-budding) to commences in
	= 10 W 01111 B	Phytophthora	oranges using Rangpur lime as rootstock.
		symptoms	Provide drainage ditches with gravel or stones to prevent
			erosion and allow vegetation to grow in ditches to slow run
			off.If infested with trunk-borer, on clear/dry day initiate drenching
			treatment in the base of citrus plants with 0.05% Dichlorvos
			75 EC only after harvesting of fruits
			Cleaning & smearing of trunk base with Bordeaux paste
			 If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10
_			cm apart followed by mulching & regular light irrigation.
D	D 11	C 11	The duration of primary nursery being 3-4 months. The duration of primary nursery being 3-4 months.
Banana	Bunching	Cold	 Timely/regular removal of extra suckers, dry leaves & pseudo- steam
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
K	,		C 71 7 C 1 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	Honey Bees			
Honey bees			Provide sugar syrup near the box	
			Add insulation and ventilation systems	
			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
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 	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
Cattle	All stages	FMD	• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st injection followed by annual vaccination under vet supervision	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 4 th April 2017
Rainfall = Bomdila: 0.0 mm; Bhalukpong: 14.6 mm	Mostly cloudy sky with possibility to light/heavy rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20°C and 8-9°C respectively. Expected morning and evening relative humidity will be 83-93% and 48-77% respectively. Wind direction is ENE with speed range of 3-6 kmph.
Warning:	 Heavy rainfall is likely to occur at isolated places on 2nd April Very heavy rainfall likely on 3rd April over 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
- 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
Pea	Sowing		Sowing of pea recommended for higher altitudes with raised bed of 15-20cm
			Provide proper drainage to already sown crops
Maize	Sowing		Sowing of Maize advocated
			Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short
			duration, dwarf and high yielding. • Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			VEGETABLES
Ginger/Turmeric	Planting material collection/ Land preparation		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/	Budding method of propagation (T-budding) to commences in
		symptoms	 Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold areas
Pre-summer vegetables	Sowing	Nursery insects	 Sowing of pre-summer vegetables like okra, frenchbean etc advocated, avoid during rainy days Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
	~ .	HORT	TCULTURAL CROPS
Large Cardamom	Ü		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.
			Honey Bees
Honey bees			 Provide sugar syrup near the box Add insulation and ventilation systems
			1 and moderation discounts

LIVESTOCKS			
Livestock	Stage	Disease	Precautionary Practices to be followed
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.)	
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.

at 03795-226237/226247

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 2 nd April 2017
Rainfall = 6.4 mm. T. Max: 28.7°C, T. Min:	Partly/mostly cloudy weather with possibility of light/moderate
13.5°C, RH: 52-94%, Wind Speed: 4-6	rainfall. Daily maximum and minimum temperature for the
kmph, Wind Direction: NNW	following period is predicted to be 22-29°C and 16-19°C
	respectively. Expected morning and evening relative humidity will
	be 87-94% and 51-85% respectively. Wind direction is WNW with
	speed range of 2-4 kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over 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
			FIELD CROPS
Pea	Sowing		Sowing of pea recommended for higher altitudes with raised
			bed of 15-20cm
			Provide proper drainage to already sown crops
Maize	Sowing		Sowing of Maize advocated
			• Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		Adopt sowing of leguminous crops like cowpea, frenchbean,
			soybean etc at 2-3 rows across the slope of jhum field at
			desirable intervals or ratios with rice to prevent soil erosion
			and conserve moisture and fertility.
			Cowpea variety (Kashi Kanchan) and Frenchbean variety
			(Selection-9) are advocated for intercropping as they are short
			duration, dwarf and high yielding.
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			VEGETABLES
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold
			areas
Tomato	Vegetative/		Cover the crop with polyethene/cloths to protect from
	Nursery		frost/rain
	•		Nursery raising under protected cultivation
Pre-summer	Sowing	Nursery insects	Sowing of pre-summer vegetables like okra, frenchbean etc
vegetables	Sowing	runsery misects	advocated
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			• Right time for transplanting the ready seedlings of chili,
			tomato, capsicum etc.
			Provide proper drainage to newly transplanted seedlings and follow mixed had for soming.
			follow raised bed for sowing
			• Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500
		цорт	litres water/ha against nursery insects CICULTURAL CROPS
Ginger/Turmeric	Planting material		Identify healthy plants for seed rhizomes/ collect better
Singer runneric	collection/ Land		seedlings from ICAR Basar or KVK West Siang/Anjaw
	preparation		Keep selected rhizomes for planting material in partial shade
			for better sprouting.
			Mulching materials like forest litters or crop residues should be collected in advance
			 Land preparation to a fine tilth to be done before sowing during sunny days
Citrus	Flowering	Trunk borer/	Avoid sowing of Ginger/Turmeric during rainy days Pudding method of progressing (Thudding) to commence in
Citius	rioweiling	Phytophthora	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock.
		symptoms	 Provide drainage ditches with gravel or stones to prevent
		₩ 1	erosion and allow vegetation to grow in ditches to slow run
			off.
			If infested with trunk-borer, on clear/dry day initiate drenching
			treatment in the base of citrus plants with 0.05% Dichlorvos
			75 EC only after harvesting of fruits Cleaning & smearing of trunk hase with Bordeaux pasts
			 Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides
			as it may affect pollination process.
Large Cardamom	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10
			cm apart followed by mulching & regular light irrigation.
			The duration of primary nursery being 3-4 months.
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.

Honey Bees			
Honey bees			 Box must be covered with straw/dry leaves to provide warmth Provide sugar syrup
			Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
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.)	 Provide adequate bedding material (paddy straw, rice husk) to 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
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
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: 31st March to 4th April 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

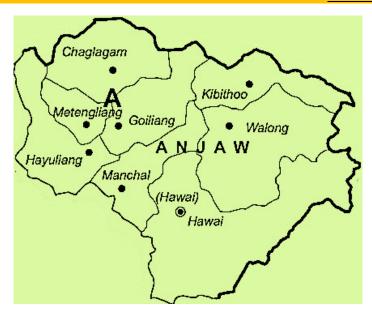


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Anjaw

No: 26/2017/Fri

Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
No weather summary available	Mostly cloudy with possibility of light to rather heavy rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 19-29°C and 16-22°C respectively. Expected
	morning and evening relative humidity will be 81-96% and 35-83%
	respectively. Wind will blow mostly from E at a speed range of 4-9
	kmph.
Warning:	• Heavy rainfall is likely to occur at isolated places on 2^{nd} April
	 Very heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
7			FIELD CROPS
Pea	Sowing		Sowing of pea recommended for higher altitudes with raised
			bed of 15-20cm
	~ .		Provide proper drainage to already sown crops
Maize	Sowing		Sowing of Maize advocated
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
Jhum field	Sowing		Adopt sowing of leguminous crops like cowpea, frenchbean,
			soybean etc at 2-3 rows across the slope of jhum field at
			desirable intervals or ratios with rice to prevent soil erosion
			and conserve moisture and fertility.
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing.
			Cowpea variety (Kashi Kanchan) and Frenchbean variety
			(Selection-9) are advocated for intercropping as they are short
			duration, dwarf and high yielding.
Colo arona	Numaamy		VEGETABLES Divine a service de la constitución de
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold
Tomato	Vegetative/Nur	Numany insasts	areas
Tomato	sery	Nursery insects	Nursery raising under protected cultivation Source And displaying 10% (1,0000 PDM) @ 1,000, 1500, relies 500.
	Sery		• Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Pre-summer	Corring	Numany inggata	
vegetables	Sowing	Nursery insects	Right time for transplanting the ready seedlings of chili, tomate consistent attachments.
vegetables			tomato, capsicum etc.
			 Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing
			 Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500
			litres water/ha against nursery insects
		HOD'	FICULTURAL CROPS
Ginger/Turmeric	Planting material		Identify healthy plants for seed rhizomes/ collect better
	collection/ Land		seedlings from ICAR Basar or KVK West Siang/Anjaw
	preparation		Keep selected rhizomes for planting material in partial shade
			for better sprouting.
			Mulching materials like forest litters or crop residues should
			be collected in advance
			Land preparation to a fine tilth to be done before sowing
			during sunny days
			Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/	Budding method of propagation (T-budding) to commences in
		Phytophthora	oranges using Rangpur lime as rootstock.
		symptoms	Provide drainage ditches with gravel or stones to prevent
			erosion and allow vegetation to grow in ditches to slow run
			off.If infested with trunk-borer, on clear/dry day initiate drenching
			treatment in the base of citrus plants with 0.05% Dichlorvos
			75 EC only after harvesting of fruits
			Cleaning & smearing of trunk base with Bordeaux paste
			If flowering begins, avoid spray of insecticides/ pesticides
Larga Cardaman	Cowing		as it may affect pollination process.
Large Cardamom	Sowing		• Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation.
			 The duration of primary nursery being 3-4 months.
Apple	Vegetative	Wooly aphids	On clear/dry day, swab the stem with mineral oil against
		_ ^	wooly aphid.
		A	GROFORESTRY
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings
	<u> </u>		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed

Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	\mathcal{E}	
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	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
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 Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795- 226237/226247			

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = Changlang: 0.0 mm Miao: 2.2	Mostly cloudy with possibility of light to rather heavy rainfall in
mm	most of the places. Daily maximum and minimum temperature for
	the following period is predicted to be 18-27°C and 17-22°C
	respectively. Expected morning and evening relative humidity will
	be 83-98% and 49-88% respectively. Wind direction is East with
	speed range of 4-6 kmph.
Warning	 Heavy rainfall is likely to occur at isolated places on 2nd April
	 Very heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed	
	FIELD CROPS			
Maize	Sowing		 Sowing of maize in higher altitudes advocated in raised bed 	
			Carry out seed dressing/treatment with Thiram or	
			Carbendazim @ 2g/kg seed before sowing	
			VEGETABLES	
Pre-summer	Sowing		• Right time for transplanting the ready seedlings of chili,	
vegetables			tomato, capsicum etc.	
			Provide proper drainage to newly transplanted seedlings and	
			follow raised bed of 15-20cm for sowing	
		ИОРТ	TICULTURAL CROPS	
Citrus	Flowering	Trunk borer/	Budding method of propagation (T-budding) to commences in	
Citius	1 lowering	Phytophthora	oranges using Rangpur lime as rootstock.	
		symptoms	 Provide drainage ditches with gravel or stones to prevent 	
		J 1	erosion and allow vegetation to grow in ditches to slow run	
			off.	
			If infested with trunk-borer, on clear/dry day initiate drenching	
			treatment in the base of citrus plants with 0.05% Dichlorvos	
			75 EC only after harvesting of fruits	
			Cleaning & smearing of trunk base with Bordeaux paste	
			• If flowering begins, avoid spray of insecticides/ pesticides	
			as it may affect pollination process.	
Ginger/Turmeric	<u> </u>		Identify healthy plants for seed rhizomes/ collect better	
	collection/ Land		seedlings from ICAR Basar or KVK West Siang/Anjaw	
	preparation		Keep selected rhizomes for planting material in partial shade	
			for better sprouting.	
			 Mulching materials like forest litters or crop residues should 	
			be collected in advance	
			 Land preparation to a fine tilth to be done before sowing 	
			during sunny days	
			Avoid sowing of Ginger/Turmeric during rainy days	
Large Cardamom	Sowing		Should be sown in Primary nursery bed at 2cm deep and 10	
	8		cm apart followed by mulching & regular light irrigation.	
			• The duration of primary nursery being 3-4 months.	
			Honey Bees	
Honey bees			Box must be covered with straw/dry leaves to provide	
,			warmth	
			Provide sugar syrup	
			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages	FMD (high fever	· · · · · · · · · · · · · · · · · · ·	
1 180	Till stages	and appearance	Keep the houses dry and clean.	
		of mucous	1st 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		• Follow 'All in All out' system of rearing and do not rear birds of	
			different age groups together.	
			Avoid overcrowding. Provide adaptate along drinking proton along the multi-	
			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	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
Cattle	All stages	FMD	1st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st	
Callic	An stages	1.14117	injection at 6-8 weeks of age, 2 injection after 6 months of 1 injection followed by annual vaccination under vet supervision	
Contact Scien	tists (ICAR) or (State Agril Staff		
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				
at 05175-2202511220241				

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall = 17.0 mm (Anini)	Variable weather with possibility of light to rather heavy rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 20°C and 9°C respectively. Expected morning and
	evening relative humidity will be 74-94% and 31-89% respectively.
	Wind direction is E with speed range of 5-7 kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over 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 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	
7. 0. 1.1	FIELD CROPS			
Jhum field	Sowing		• Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion	
			 and conserve moisture and fertility. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing 	
			 Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. 	
Maize	Sowing		 Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing 	
			VEGETABLES	
Cole crops	Nursery		 Raising nursery can be carried out in higher altitudes/ cold areas Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing 	
Pre-summer vegetables	Sowing		 Avoid sowing of pre-summer vegetables like okra, frenchbean etc as the germination percentage will be very low Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing 	
		HOR	TICULTURAL CROPS	
Ginger/Turmeric	Planting material collection/ Land preparation		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days 	
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. 	
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. 	
Apple	Vegetative	Wooly aphids	Swab the stem with mineral oil against wooly aphid.	
			Agroforestry	
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings	
			Honey Bees	
Honey bees			In case of rain provide sugar syrup LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	<u> </u>	

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. 	
T': -1			Remove wet litter/provide artificial heating and light	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
Cattle	All stages	FMD	• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st injection followed by annual vaccination under vet supervision	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scient	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-			

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 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: 26/2017/Fri Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
Rainfall = 12.8 mm	Partly/mostly cloudy sky with possibility of light/moderate rainfall. Daily maximum and minimum temperature for the following period is predicted to be 20-24°C and 14-15°C respectively. Expected morning and evening relative humidity will be 85-97% and 49-86% respectively. Expected wind direction is SE with speed range of 3-6 kmph.
Warning:	 Heavy rainfall is likely to occur at isolated places on 2nd April Very heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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

			·
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Pea	Sowing		Sowing of pea can be done in higher altitudes
			 Sowing should be done in raised bed of 15-20cm Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing
Maize	Sowing		Sowing can be done in higher altitude in raised bed
			VEGETABLES
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nur sery	Nursery insects	 Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
Pre-summer vegetables	Sowing		 Sowing of pre-summer vegetables like okra, frenchbean can be done Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide drainage to newly transplanted seedlings
		HORT	TCULTURAL CROPS
Ginger/Turmeric	Planting material collection/ Land preparation		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
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.
T. 1	N.T.		Agroforestry
Toko palm	Nursery		Filling of nursery polybags for raising of takopalm seedlings

	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.)	 Animals should be given lukewarm feed and water. Keep the houses dry and clean. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision 	
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Avoid overcrowding. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light 	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
Cattle	All stages	FMD	• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st injection followed by annual vaccination under vet supervision	
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided. 	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

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: 31st March to 4th April 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: 26/2017/Fri Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 5 th April 2017
NA	Mostly cloudy sky with possibility of light/moderate rainfall.
	Daily maximum and minimum temperature for the following period
	is predicted to be 22-28°C and 17-20°C respectively. Expected
	morning and evening relative humidity will be 84-96% and 48-90%
	respectively. Expected wind direction is W with speed range of 3-5
	kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pea	Sowing		 Sowing of pea recommended for higher altitudes with raised bed of 15-20cm
			Provide proper drainage to already sown crops
Maize/ cowpea	Sowing		 Right time for sowing of local/early maize especially in higher altitude with raised bed techniques Seed treatment of early maize/cowpea with Imidichloropid @ 1-2g/10kg is recommended before sowing Proper drainage to already sown field
Jhum field	Sowing		 Adopt sowing of leguminous crops like cowpea, frenchbean, soybean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing to avoid fungal infections during rainy days
G 1			VEGETABLES
Cole crops	Nursery		 Raising nursery can be carried out in higher altitudes/ cold areas
Tomato	Vegetative/Nur sery	Nursery insects	 Cover the crop with polyethene/cloths to protect from frost/rain Nursery raising under protected cultivation Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha
Pre-summer vegetables	Sowing	Nursery insects	 Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects
			TICULTURAL CROPS
Ginger/Turmeric	Planting material collection/ Land preparation		 Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/ Phytophthora symptoms	 Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process.
Large Cardamom	Sowing		 Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months.

			Honey Bees
Honey bees			On prolong rain, provide sugar syrup
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever and appearance of mucous membrane of the mouth and foot.)	• 1 st injection at 6 months of age and 2 nd injection at 12 months of age followed by annual vaccination under vet supervision
Poultry	All stages		 Follow 'All in All out' system of rearing and do not rear birds of different age groups together. Provide adequate clean drinking water+electrolyte and multivitamins Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter/provide artificial heating and light
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	• 1 st injection at 6-8 weeks of age, 2 nd injection after 6 months of 1 st injection followed by annual vaccination under vet supervision
Mithun		FMD	 Polyvalent FMD vaccine with serotype O, A and Asia at 6 months of age and repeat after that 6 months interval by sub-cutaneous route. Pregnant animals above 7 months of pregnancy should be avoided.
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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: 31st March to 4th April 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: 26/2017/Fri

Dated: 31st March 2017



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

Weather summery of the previous week	Weather forecast valid up to 5 th April 2016
Past weather summary not available	Variable weather with light/moderate rainfall in most of the places. Daily maximum and minimum temperature for the following period is predicted to be 23-30°C and 18-20°C respectively. Expected morning and evening relative humidity will be 81-92% and 46-77% respectively. Wind direction is W with speed range of 2-8 kmph.
Warning	 Heavy rainfall is likely to occur at isolated places on 2nd April Very heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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

## Adopt sowing of leguminous crops like cowpea, frenchbean, sophean etc at 2-3 rows across the slope of jhum field at desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Compen variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry our seed dessingstreamment with Thiram or Carbendazim @ 2g/kg seed before sowing Sowing	Crop	Stage	Pest/Disease	Precautionary Practices to be followed
soybean et at 2-3 rows across the slope of jibum field at desirable inservals or ratios with rice to prevent soil erosion and conserve moisture and fertility. - Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for interroping as they are short duration, dwarf and high yielding. - Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. - Sowing of malze in higher altitudes advocated. - Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing. - Sowing of pean accumented for higher altitudes with raised bed of 15-20cm - Provide proper drainage to already sown crops - Pressummer vegetables - Sowing - Sowing of pean accumented for higher altitudes with raised bed of 15-20cm - Provide proper drainage to already sown crops - Wegetables - Right time for transplanting the ready seedlings of chili, tomato, capsic unter each of low raised bed for sowing - Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 fittes water has against numery insects - Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing - Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 fittes water has against numery insects - HORTICULTIRAL CROPS - Ginger Turmeric - Planting material collection Land preparation - Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing - Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 fittes water has against numery insects - HORTICULTIRAL CROPS - Mulching materials like forest litters or crop residues should be collected in advance - Land preparation to a fine tilth to be done before sowing during suany days - Acid solvening from ICAR Basar or KVK west Sinag Anjaw - Keep selected thizomess for planting material in partial shade for better sprouting. - Mulching materials like forest litters or crop residues should be collected in advance - Land preparation to a fine tilth to be done before sowing during suany days -				FIELD CROPS
desirable intervals or ratios with rice to prevent soil erosion and conserve moisture and fertility. Coreype variety (Kashir Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2pkg seed before sowing Maize Sowing Sowing Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2pkg seed before sowing Pea Sowing of paize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2pkg seed before sowing Presummer VEGETABLES Presummer Vegetables Nursery insects VEGETABLES Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachin 19 (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects HORTICULTURAL (KOPS Ginger-Turmeric Collection: Land preparation Flowering Planting material collection: Land preparation Flowering Planting material collection: Land preparation of the preparation of a fine tith to be done before sowing during sunny days Next seedlings from ICAR Basar or KVK West Siang/Anjaw Seedlings from ICAR Basar or KVK West Siang/Anjaw Seedlings and John Seedlings an	Jhum field	Sowing		
and conserve moisture and fertility. Cowpea variety (Kashi Kanchan) and Frenchbean variety (Selection-9) are advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazim of 2g/kg seed before sowing Mnize Sowing Sowing Pea Sowing Pre-summer Vegetables Pre-summer Vegetables Nursery insects Fley-summer Vegetables Nursery insects Fley-summer Vegetables Nursery insects Sowing Sowing Sowing Sowing Sowing Sowing Sowing Pre-summer Vegetables Nursery insects Fley-summer Vegetables Nursery insects Fley-summer in transplanting the ready seedlings of chili, to the done before sowing dealth to the convert of the pre-summer in th				
Cowpea variety (Kishi Kanchan) and Frenchbean variety (Selection-9) or advocated for intercropping as they are short duration, dwarf and high yielding. Carry out seed dressing/treatment with Thiram or Carbendazine 2.pg/seed before sowing Sowing of maize in higher altitudes advocated.				*
Sciencino-9) are advocated for intercropping as they are short duration, dwarf and high yielding.				·
Maize Sowing Carbendazim @ 2g/kg seed before sowing 2 Sowing mize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing 2 Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazim @ 2g/kg seed before sowing 2 Sowing of pea recommended for higher altitudes with raised bed of 15-20em 2 Provide proper drainage to already sown crops 2 VEGETABLES Pre-summer Sowing Nursery insects Provide proper drainage to already sown crops 2 VEGETABLES Provide proper drainage to already sown crops 2 VEGETABLES Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachta 18 (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects Phorticular Preparation Pre				· · · · · · · · · · · · · · · · · · ·
Maize Sowing Sowing of maize in higher altitudes advocated. Carry out seed dressing/treatment with Thiram or Carbendazin @ 2g/kg seed before sowing				
Sowing Sowing Sowing Sowing of maize in higher altitudes advocated. Carry out seed dressing/freatment with Thiram or Carbendazine 2g/kg seed before sowing				Carry out seed dressing/treatment with Thiram or
Pea Sowing				Carbendazim @ 2g/kg seed before sowing
Pea Sowing Sowing Pea recommended for higher altitudes with ruised bed of 15-20cm Provide proper drainage to already sown crops **Total Less Pre-summer vegetables** Pre-summer Sowing Pre-summer Provide proper drainage to already seedlings of chility tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing it interest water has against nursery insects **HORTICULTURAL CROPS** Planting material collection/ Land preparation Planting material collection of Land preparation Planting material collection of Land preparation Planting material collection of Land preparation Planting material in partial shade for better sprouting. Muching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sumy days Avoid sowing of Ginger/Turneric during rainy days Avoid sowing of Ginger/Turneric during rainy days Planting material in partial shade for better sprouting. Avoid sowing of Ginger/Turneric during rainy days Avoid sowing of Ginger/Turneric during rainy days Avoid sowing of Ginger/Turneric during rainy days Provide drainage ditches with gravel or stones to prevent crossin and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of circus plants with 0.05% Dichlorvos 75 EC only after barvesting of fruits Planting treatment in the base of circus plants with 0.05% Dichlorvos 75 EC only after barvesting of fruits Planting treatment in the base of circus plants with 0.05% Dichlorvos 75 EC only after barvesting of fruits Planting treatment in the base of circus plants with 0.05% Dichlorvos 75 EC only after barvesting of fruits Planting treatment in the base of circus plants with 0.05% Dichlorvos 75 EC only after barv	Maize	Sowing		
Pea				,
Pre-summer vegetables Provide proper drainage to already seedlings of chilit, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Partin (1900) Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing (1900) Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing (1900) Provide proper drainage to newly transplanting the ready seedlings and follow raised bed for sowing (1900) Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Repeated this plants for seed rhizomes/ collect better seedlings in plants and seedlings and seedlings are seedlings and seedlings are seedless as it may affect pollination process. Provide drainage ditches with gravel or st	Des	C		
Pre-summer vegetables Pre-summer vegetables Sowing Nursery insects Pre-summer vegetables Nursery insects Right time for transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects HORTICULTURAL CROPS Ginger/Turmeric preparation preparation Planting material collection/ Land preparation preparation Flowering Phytophthora symptoms Phytophthora symptoms Flowering Phytophthora symptoms Fittus Flowering Phytophthora symptoms Flowering Office Phytophthora symptoms Flowering Phytophthora symptoms Flowering Office Phytophthora symptoms Flowering Office Phytophthora symptoms Flowering Office Phytophthora symptoms Flowering Office Phytophthora of Flowering Office Phytophthora or a part followed by mulching & regular light irrigation. Flowering Office Phytophthora of Phytophthora of Phytophthora or a part followed by mulching & regular light irrigation. Flowering Office Phytophthora of Phytophthora of Phytophthora or a part followed by mulching & regular light irrigation. Flowering Office Phytophthora or a part followed by mulching & regular light irrigation. Flowering Office Phytophthora or a part f	Pea	Sowing		
Pre-summer vegetables Planting material collection/ Land preparation Preparation Preparation Planting material collection/ Land preparation Preparation Preparation Planting material collection/ Land preparation Preparation Planting material collection/ Land preparation Preparation Planting material collection/ Land preparation to a fine tilth to be done before sowing during sumny days Present vegetables Pre-summer vegetables				
Pre-summer vegetables Part Provide proper drainage to newly transplanting the ready seedlings of chili, tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects Planting material collection/ Land preparation				
tomato, capsicum etc. Provide proper drainage to newly transplanted seedlings and follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects HORT CULTURAL CROPS Identify healthy plants for seed rhizomes/ collect better seedlings from ICAR Basar or KVK West Siang/Anjaw Keep selected rhizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent crosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits. Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sowing Should be sown in Primary nursery being 4 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 4 months. Apple Vegetative Wooly aphids Swab the stem with mineral oil against wooly aphid. Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock All stages FMD 1st injection at 6-8 weeks of age, 2st injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals	Pre-summer	Sowing		
Follow raised bed for sowing Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects	vegetables	S	J	
Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500 litres water/ha against nursery insects				Provide proper drainage to newly transplanted seedlings and
Bitres water/ha against nursery insects				follow raised bed for sowing
Ginger/Turmeric Planting material collection / Land preparation Provided from ICAR Basar or KVK West Siang/Anjaw Repeated thizomes for planting material in partial shade for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Avoid sowing of Ginger/Turmeric during rainy days Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sowing Sowing Sowing Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock All stages FMD Precautionary Practices to be followed Precautionary Practices to be followed Separate sick animals				• Spray Azadirachtin 1% (10000 PPM) @ 1000-1500 ml in 500
Ginger/Turmeric collection/ Land preparation Planting material collection (Land preparation) Planting material collection (Land preparation) Planting material collection (Land preparation) Planting materials fixe forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Avoid sowing of Ginger/Turmeric during rainy days Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sowing Post Wooly aphids Post Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstoding) to commences in oranges using Rangpur lime as rootstoding) to commences in oranges using Rangpur lime as rootstoding) to commences in oranges using Rangpur lime as rootstoding) to commences in oranges using Rangpur lime as rootstoding) to commences in orange using the may arrow to grave the arrow and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by multching & regular light irrigation. The duration of primary nursery bed at 2cm deep and 10 cm apart follo				
Collection/ Land preparation Seedlings from ICAR Basar or KVK West Siang/Anjaw	Cincol/Townsia	Diametra and a significant		
Preparation Preparation	Ginger/Turmeric			
for better sprouting. Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Avoid sowing of Ginger/Turmeric during rainy days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sould 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 Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock All stages PhD If si njection af 6-8 weeks of age, 2 nd injection after 6 months of 1 nd injection followed by annual vaccination under vet supervision Separate sick animals				
Mulching materials like forest litters or crop residues should be collected in advance Land preparation to a fine tilth to be done before sowing during sunny days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste if flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Apple Vegetative Wooly aphids Swab the stem with mineral oil against wooly aphid. Agroforestry				
be collected in advance Land preparation to a fine tilth to be done before sowing during sumy days Avoid sowing of Ginger/Turmeric during rainy days Avoid sowing of Ginger/Turmeric during rainy days Budding method of propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sowing Sowing Sowing Sowing Sowing Sowing Sowing of inger/Turmeric during rainy days Citrus blanding and propagation (T-budding) to commences in oranges using Rangpur lime as rootstock. Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Apple Vegetative Wooly aphids Sowing fruits as it may affect pollination process. Apple Vegetative Wooly aphids Sowab the stem with mineral oil against wooly aphid. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 1st injection at 6-8 weeks of age, 2st injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals				
Citrus Flowering Trunk borer/ Phytophthora symptoms				1
Citrus Flowering Trunk borer/ Phytophthora symptoms				
Citrus Flowering Phytophthora symptoms Flowering Phytophthora symptoms Flowering Phytophthora symptoms Flowering Phytophthora symptoms Flowering Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run offf. • If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Celaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sowing Sowing Flower Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. • The duration of primary nursery being 3-4 months. Apple Vegetative Wooly aphids Swab the stem with mineral oil against wooly aphid. **Agroforestry** Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings **Honey Bees** • Box must be covered with straw/dry leaves to provide warmth **LIVESTOCKS** Livestock Stage Disease Precautionary Practices to be followed • 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				during sunny days
Phytophthora symptoms Phytophthora symptoms Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowing Sowing 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. Swab the stem with mineral oil against wooly aphid. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed All stages PMD 1st injection at 6-8 weeks of age, 2std injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals				Avoid sowing of Ginger/Turmeric during rainy days
Symptoms Provide drainage ditches with gravel or stones to prevent erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Should be sown in Primary nursery bed at 2cm deep and 10 cm apart followed by mulching & regular light irrigation. The duration of primary nursery being 3-4 months. Apple Vegetative Wooly aphids Swab the stem with mineral oil against wooly aphid. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed Cattle All stages FMD Is injection at 6-8 weeks of age, 2st injection after 6 months of 1st injection followed by annual vaccination under vet supervision Separate sick animals	Citrus	Flowering		= " " " - F - F - F - F - F - F - F - F -
erosion and allow vegetation to grow in ditches to slow run off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sow				0 01
off. If infested with trunk-borer, on clear/dry day initiate drenching treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing			symptoms	
treatment in the base of citrus plants with 0.05% Dichlorvos 75 EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowin				
To EC only after harvesting of fruits Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing Sowin				
Cleaning & smearing of trunk base with Bordeaux paste If flowering begins, avoid spray of insecticides/ pesticides as it may affect pollination process. Large Cardamom Sowing				
Sowing Sowing Sowing Sowing Apple Vegetative Wooly aphids The duration of primary nursery being 3-4 months. Apple Vegetative Wooly aphids Swab the stem with mineral oil against wooly aphid. Honey Bees Sow must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease FMD All stages FMD Ist 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				
Large Cardamom Sowing 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. Swab the stem with mineral oil against wooly aphid. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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				If flowering begins, avoid spray of insecticides/ pesticides
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. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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 duration of primary nursery being 3-4 months. Apple Vegetative Wooly aphids Swab the stem with mineral oil against wooly aphid. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed Cattle All stages FMD Ist 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 	Large Cardamom	Sowing		• • • • • • • • • • • • • • • • • • • •
Apple Vegetative Wooly aphids • Swab the stem with mineral oil against wooly aphid. Agroforestry Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees • Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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				
Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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	Apple	Vegetative	Wooly aphids	
Toko palm Nursery Filling of nursery polybags for raising of takopalm seedlings Honey Bees Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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				Agroforestry
Honey Bees	Toko palm	Nursery		
Box must be covered with straw/dry leaves to provide warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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	_	-		Honey Rees
Warmth LIVESTOCKS Livestock Stage Disease Precautionary Practices to be followed 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				
LIVESTOCKSLivestockStageDiseasePrecautionary Practices to be followedCattleAll stagesFMD• 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				· · · · · · · · · · · · · · · · · · ·
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				
injection followed by annual vaccination under vet supervisionSeparate sick animals	Livestock	Stage	Disease	Precautionary Practices to be followed
Separate sick animals	Cattle	All stages	FMD	\mathcal{C}
- The allillar should be washed with lukewarm water added with				*
				The same of the second of the

			 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 	
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds	
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			

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

Agrometeorological Field Unit ICAR, BASAR

Agro-met Advisory Bulletin

(Period: 31st March to 4th April 2017)

ग्रामीण कृषि मौसम सेवा



GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

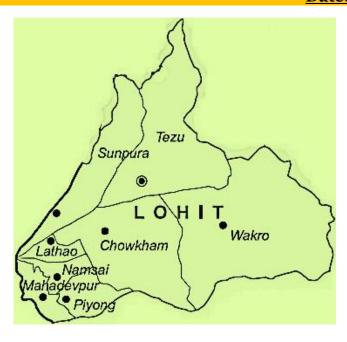


AMFU, ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

District: Lohit

No: 26/2017/Fri

Dated: 31st March 2017



Weather summery of the previous week	Weather forecast valid up to 5 th April, 2017
Rainfall =25.5 mm (Tezu)	Mostly cloudy with possibility of light to heavy rainfall in most of
	the places. Daily maximum and minimum temperature for the
	following period is predicted to be 18-28°C and 14°C respectively.
	Expected morning and evening relative humidity will be 83-97% and
	41-85% respectively. Wind direction is East with speed range of 4-7
	kmph.
Warning:	Heavy rainfall is likely to occur at isolated places on 2 nd April
	 Very heavy rainfall likely on 3rd April over few isolated places.

Weather Based Agro-meteorological Advisories Bulletin

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

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Maize	Sowing		Sowing of Maize advocated
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			VEGETABLES
Cole crops	Nursery		Raising nursery can be carried out in higher altitudes/ cold
Cole crops	ruisery		
T	XX		areas
Tomato	Vegetative/Nur		Cover the crop with polyethene/cloths to protect from
	sery		frost/rain
			 Nursery raising under protected cultivation
Pre-summer	Sowing		Sowing of pre-summer vegetables like okra, frenchbean etc
vegetables			advocated, avoid sowing during rainy days
			Carry out seed dressing/treatment with Thiram or
			Carbendazim @ 2g/kg seed before sowing
			Right time for transplanting the ready seedlings of chili,
			tomato, capsicum etc.
			Provide proper drainage to newly transplanted seedlings and
			follow raised bed for sowing.
		HORT	ICULTURAL CROPS
Ginger/Turmeric	Planting material		Identify healthy plants for seed rhizomes/ collect better
	collection/ Land		seedlings from ICAR Basar or KVK West Siang/Anjaw
	preparation		Keep selected rhizomes for planting material in partial shade
			for better sprouting.
			Mulching materials like forest litters or crop residues should
			be collected in advance
			 Land preparation to a fine tilth to be done before sowing
			during sunny days
			Avoid sowing of Ginger/Turmeric during rainy days
Citrus	Flowering	Trunk borer/	Budding method of propagation (T-budding) to commences in
Citius	1 10 wering	Phytophthora	oranges using Rangpur lime as rootstock.
		symptoms	Provide drainage ditches with gravel or stones to prevent
		J 1	erosion and allow vegetation to grow in ditches to slow run
			off.
			• If infested with trunk-borer, on clear/dry day initiate drenching
			treatment in the base of citrus plants with 0.05% Dichlorvos
			75 EC only after harvesting of fruits
			Cleaning & smearing of trunk base with Bordeaux paste
			• If flowering begins, avoid spray of insecticides/ pesticides
			as it may affect pollination process.
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
Livertock	Store	Diagona	_
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	FMD (high fever	
		and appearance	
		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
Poultry	All stages	mouth and foot.)	
r outu y	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 dripking water cleatrolyte and multi-
	Ī		Provide adequate clean drinking water+electrolyte and multi-
			l vitamine
			vitamins • Vaccination as per the schedule with proper consultation with yet
			Vaccination as per the schedule with proper consultation with vet.

			F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. • Remove wet litter/provide artificial heating and light
Fishery			Best time to prepare the culture pond like cleaning aquatic weeds
Cattle	All stages	FMD	 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.

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)

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

Agrometeorological Field Unit ICAR, BASAR