## **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

ग्रामीण कृषि मौसम सेवा



## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

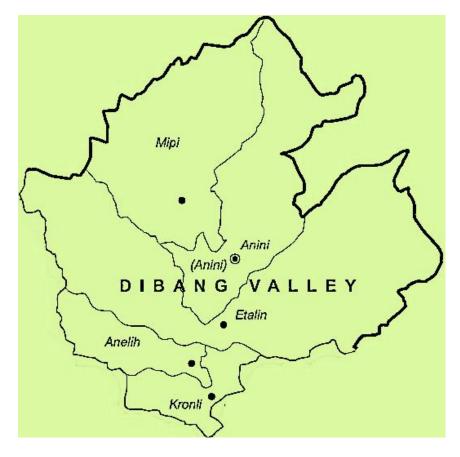


ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Dibang Valley** 

No: 58/2015-16/Tue

**Dated: 19th July, 2016** 



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

Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = Anini: NA	Mostly cloudy sky with light/moderate rainfall is forecasted. Max Temp=28°C and Min Temp=23°C, RH=62-98%, Wind Speed=2 kmph, Wind direction: ESE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July

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

			y VANARAJA for backyard rearing
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Wetland Rice	Namana		FIELD CROPS  Pefore transplanting follow goodling root din treatment in
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with</li> </ul>
			sticker (@1ml/lit)
Jhum Rice	Tillering stage		<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> <li>Complete sowing of soybean before July 1<sup>st</sup> week</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth
			sown in the month of April-May
			VEGETABLES
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
Summer			Dust ash powder in cucurbits
Vegetables			Use pheromone traps/light traps against brinjal shoot and fruit borer.
			<ul> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> </ul>
			New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.
FRUIT CROPS			
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	All stages		Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.

			Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards
Pineapple	Active Vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>
		A	GROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		During noon provide glucose/electrol in drinking water
Poultry	All stages		<ul> <li>Provide anticoccidial drugs for preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 month.</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> <li>Keep clean the periphery of the fish grow-out tank</li> </ul>
Cattle/Mithun	All stages	FMD	Vaccination is advocated
Contact Scien		_	f or KVK staff for measures against adverse conditions or call 3795-226237/226247

## **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

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## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

## **District: East Kameng**

No: 58/2015-16/Tue

Dated: 19th July, 2016



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = 26.0 mm (Seppa)	Mostly cloudy sky with light/moderate rainfall. Max Temp=27°C and Min Temp=20°C, RH=90-99%, Wind Speed=2 kmph, Wind direction: E
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July

### 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
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Jhum / upland Rice	Tillering stage		<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along with 2/3 <sup>rd</sup> of Urea to rejuvenate the plant from phosphorus deficiency
			VEGETABLES
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
7	T71 .		FRUIT CROPS
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and</li> </ul>

Pineapple	Active Vegetative		<ul> <li>give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> <li>Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.</li> </ul>
		A	GROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		During noon provide glucose/electrol in drinking water
Poultry	All stages		<ul> <li>Provide anticoccidial drugs for preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 month.</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> <li>Keep the periphery of fish grow-out tank clean</li> </ul>
Dog		Canine Parvovirus	Vaccinate as per consultation with vet
Cattle		FMD	Vaccination is advocated
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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(Period: 19th to 22nd July, 2016)

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## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: East Siang** 

No: 58/2015-16/Tue

Dated: 19<sup>th</sup> July, 2016



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

Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall: 204.6 mm; T. Max: 33.0°C; T. Min:	Mostly cloudy weather is forecasted with light/moderate rainfall.
23.0°C; RH: 89-100 %	Max Temp=26°C and Min Temp=22°C, RH=86-98%, Wind
	Speed=2-3 kmph, Wind direction: E
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> & 22 <sup>nd</sup> July

#### 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

Pulses/Ground vegetative stage Cercospora  Leaf spot against Epicauta bettle in soybean  Epicauta bettle  Bulses/Ground vegetative stage  Cercospora against Epicauta bettle in soybean  Foliar spray of carbandazim/Mancozab@2gm/l  Manual weeding in greengram/blackgram	EC@ 1 ml/lit
nut stage Leaf spot against Epicauta bettle in soybean  & Foliar spray of carbandazim/Mancozab@2gm/l  Epicauta Manual weeding in greengram/blackgram	EC@ 1 ml/lit
& Foliar spray of carbandazim/Mancozab@2gm/l Epicauta Manual weeding in greengram/blackgram	
Epicauta  Beattle  Manual weeding in greengram/blackgram	
hottle	it
I Define	
Proper drainage to avoid excess moisture or wa	ter logging.
Wetland Rice Nursery/ Stem borer / Before transplanting, follow seedling root-diction thrips before transplanting, follow seedling root-dictions chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.	ip treatment in
<ul> <li>Before transplanting, clip off the tip of seedl infestation.</li> </ul>	ings to prevent
• On clear day, spray Triazophos 40 EC@4ml sticker (@1ml/lit)	l/lit water with
Jhum Rice Tillering stage Leaf Blast • In upland rice, spraying of 1% DAP is rec	
increase the nos. of effective tillers and yield.  • Carry out top dressing in upland rice of 2/3 <sup>rd</sup> o	
dose of urea.	
Maintain periphery of nursery field weed fre prevent disease and pest harboring in weeds.	ee and clean to
Maize Multiple • If bluish-green leaves are observed, apply SSF with 2/3 <sup>rd</sup> of Urea to rejuvenate the plant from	-
deficiency	om phosphorus
VEGETABLES	
Tomato Fruiting • Removing sideshoots is an important job w	which prevents
the fruits being shaded by leaves.	•
As temperatures rise, keep watering you	-
avoid watering the leaves excessively tha	t may lead to
disease infestation.	
Ginger/turmeric Vegetative Soft Rot • Cultural practice like weeding/earth recommended followed by basal dose of fer	•
stage recommended followed by basal dose of fer  • For management of soft rot in ginger:	
drencing of Metalaxyl-8% + Mancozeb 649	
per lit of water.	, , , , , , , , , , , , , , , , , , ,
Summer Multiple • Dust ash powder in cucurbits	
Vegetables stages • Use pheromone traps/light traps against brinjal	shoot and fruit
borer.	
FRUIT CROPS	
Large Flowering Chirkey • Remove diseased part & keep inflorescence	e clean.
Cardamom stage Disease • Need based spray of broad spectrum from carbendazim @2g/lit water.	fungicide like
Orchards Multiple stages • Prepare half moon terraces in (orange/banana/apple/peach) grown in sto	fruit crops
prevent nutrient loss during heavy downpou	ar.
Follow proper drainage and earthing up pr land/plain areas to avoid water stagna orchards	
Pineapple Active • Remove excess suckers and spray NAA	100ppm to
vegetative increase fruit size and improve quality.	,
Banana Bunching  • Desuckering of banana to be done leaving of partial to maintain the health of mother partial to maintain the mother partial to maintain	
& planting per plant to maintain the health of mother p  • Remove the male flower in banana bunches	
better finger/fruit size.	s to attain
Remove excess sucker from Banana in moti	her plant and
give support in banana bunches to protect fa heavy weight or storm.	-
Sword suckers with stout base, tapering towns and the stout base, tapering towns are suckers with stout base, and the suckers with suckers with suckers with the s	vards the top
with narrow leaves should be selected for p	-
x 3m spacing.	

	AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>	
			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages  All stages		<ul> <li>Deworm at regular interval</li> <li>During scarcity of fodder provide hay/silage/feedblocks.</li> <li>Disinfecting the animal/bird sheds with lime powder/bleaching powder/ 4%NaOH at regular interval is advocated</li> <li>Weaning is recommended at the age of 8 weeks for crosbreds and 10 weeks for indigeneous pigs.</li> <li>Provide anti-coccidial drugs</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 month</li> </ul>	
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>	
Cattle/Mithun		FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>	
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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(Period: 19th to 22nd July, 2016)

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## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)



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

**District: Kurung Kumey** 

No: 58/2015-16/Tue

Dated: 19th July, 2016



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

Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = NA	Mostly cloudy sky with possibility of light rainfall. Max
	Temp=27°C and Min Temp=22°C, RH=77-93%, Wind Speed=2-3
	kmph, Wind direction: SSE
Warning	Heavy to very heavy rainfall is very likely in few places on 21st &
	22 <sup>nd</sup> July

### **Weather Based Agro-meteorological Advisories Bulletin**

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

Crop	Stage	Pest/Disease	<b>Precautionary Practices to be followed</b>
			FIELD CROPS
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean
		&	<ul> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> </ul>
		Epicauta	Manual weeding in greengram/blackgram
		bettle	<ul> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Maize	Multiple		If bluish-green leaves are observed, apply SSP or DAP along
	stages		with 2/3 <sup>rd</sup> of Urea to rejuvenate the plant from phosphorus deficiency
Jhum Rice/ Upland rice	Tillering stage		• In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.
•			• Carry out top dressing in upland rice of 2/3 <sup>rd</sup> of recommended
			<ul> <li>dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Wetland Rice	Nursery/	Stem borer /	Before transplanting, follow seedling root-dip treatment in
	Transplantatio	thrips	chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	n		<ul> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> </ul>
			<ul> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
			VEGETABES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
	_		the fruits being shaded by leaves.
			As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Dust ash powder in cucurbits
Vegetables	stages		Use pheromone traps/light traps against brinjal shoot and fruit
			borer.
			<ul> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers
	stage		• For management of soft rot in ginger: Need based
			drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.
T	177	Cl. 1	FRUIT CROPS
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	<ul> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to</li> </ul>
			<ul><li>prevent nutrient loss during heavy downpour.</li><li>Follow proper drainage and earthing up practices in low</li></ul>
			land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		per plant to maintain the health of mother plant.
	_		<ul> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> </ul>
			Remove excess sucker from Banana in mother plant and
			give support in banana bunches to protect falling due to
			<ul><li>heavy weight or storm.</li><li>Sword suckers with stout base, tapering towards the top</li></ul>
			with narrow leaves should be selected for planting at 3m x 3m spacing.
	<u> </u>		A Sin spacing.

Pineapple	Vegetative stage		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.	
	AGROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>	
			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> </ul>	
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 month</li> </ul>	
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings.</li> </ul>	
Dog		Canine Parvovirus	Vaccinate as per consultation with vet	
Cattle/Mithun		FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel</li> </ul>	
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247				

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(Period: 19th to 22nd July, 2016)

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: Lohit** 

No: 58/2015-16/Tue

**Dated: 19th July, 2016** 



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016			
Rainfall = 118.6 mm (Tezu)	Mostly cloudy sky with possibility of moderate/heavy rainfall. Max			
	Temp=28°C and Min Temp=22°C, RH=71-98%, Wind Speed=2			
	kmph, Wind direction: E			
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July			

### 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
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> </ul>
			<ul> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> <li>On clear/sunny days, spray carbendazim @2g/lit water in the field to control heavy infestation of leaf blast &amp; leaf spot at 15 days interval.</li> </ul>
			VEGETABES
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> </ul>
			FRUIT CROPS
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>

Pineapple	Active Vegetative stage		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.	
		A	GROFORESTRY	
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>	
			LIVESTOCKS	
Livestock	Stage	Disease	<b>Precautionary Practices to be followed</b>	
Pigs	All stages		<ul> <li>Deworm at regular interval</li> <li>During scarcity of fodder provide hay/silage/feedblocks.</li> <li>Disinfecting the animal/bird sheds with lime powder/bleaching powder/ 4%NaOH at regular interval is advocated</li> </ul>	
Poultry	All stages		<ul> <li>Provide anti-coccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4th day after birth &amp; booster dose after 1 month</li> </ul>	
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> <li>Keep the periphery of fish grow-out tank clean</li> </ul>	
Cattle/Mithun		FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel</li> </ul>	
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: 19th to 22nd July, 2016)

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: Longding** 

No: 58/2015-16/Tue <u>Dated: 19<sup>th</sup> July, 2016</u>

Weather summery of the previous week	Weather forecast valid up to 15 <sup>th</sup> July, 2016
Rainfall = NA	Mostly cloudy sky with light/moderate rainfall is forecasted.
Warning:	Heavy to very heavy rainfall is very likely in few places on 21st and 22nd July

### Weather Based Agro-meteorological Advisories Bulletin

•	Obtain	seeds	from	reput	ed/c	ertif	ied/re	eliab	le source

- Use fertilizers/pesticides as per recommended doses for the location
- Preference must be given on use of organic manures/bio-fertilizers & bio-pesticides

• Trefere	ince must be give	n on use of orga	ame manures/bio-rerunzers & bio-pesticides
Crop	Stage	Pest/Disease	<b>Precautionary Practices to be followed</b>
			FIELD CROPS
Wetland Rice	Nursery/ Transplantatio n	Stem borer	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Vegetable nursery should be raised inside well covered structure with raised bed.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>Spray Chlorpyriphos 20 EC@ 2ml/lit water at 15, 30 and 50 days after transplanting.</li> </ul>
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> <li>On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast &amp; leaf spot at 15 days interval.</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Pulses/Ground	Vegetative	Cercospora	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta

nut	stage	Leaf spot	bettle in soybean
		&	<ul> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> </ul>
		Epicauta	<ul> <li>Manual weeding in greengram/blackgram</li> </ul>
		bettle	<ul> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
			VEGETABLES
Tomato	Fruiting		• Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			• As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to
			disease infestation.
Summer	Multiple		Right time for transplantation of vegetables.
Vegetables	stages		• Get seeds/planting materials of preferred or
			recommended varieties from right sources
			Make sure that proper leveling of the land and drainage
			is done to avoid water logging during pre-kharif rains for
			better crop establishment.
			FRUIT CROPS
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	Need based spray of broad spectrum fungicide like
			carbendazim @2g/lit water.
Orchards	Multiple stages		• Prepare half moon terraces in fruit crops
			(orange/banana/apple/peach) grown in steep slopes to
			prevent nutrient loss during heavy downpour.
			• Follow proper drainage and earthing up practices in low
			land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching		<ul> <li>Desuckering of banana to be done leaving one suckers</li> </ul>
Bununu	& planting		per plant to maintain the health of mother plant.
			Remove the male flower in banana bunches to attain
			better finger/fruit size.
			<ul> <li>Remove excess sucker from Banana in mother plant and</li> </ul>
			give support in banana bunches to protect falling due to
			heavy weight or storm.
			• Sword suckers with stout base, tapering towards the top
			with narrow leaves should be selected for planting at 3m x 3m spacing.
		<u> </u>	AGROFORESTRY
Toko Palm and	Seedling		Transplantation of seedling in filed followed by
other MPTs	2000000		application of basal dose of fertilizers.
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		Provide concentrate feed and multi-vitamins
_			• Vaccination as per the schedule with proper consultation
			with vet.
			Deworm at regular interval
			<ul> <li>During scarcity of fodder provide hay/silage/feedblocks.</li> </ul>
			<ul> <li>Disinfecting the animal/bird sheds with lime powder/</li> </ul>
			1
Doulter	All stages		bleaching powder/ 4% NaOH at regular interval is advocated
Poultry	All stages		Avoid rearing of Day-Old-Chicks
			Provide adequate clean drinking water+electrolyte
			• Vaccination as per the schedule with proper consultation
			with vet.
			Provide anti-coccidial drugs
			Remove wet litter/provide artificial heating and light
Fishery			• Right time for stocking of fish fingerlings in fish tank with
			stocking density @1/m <sup>2</sup>
-			

## 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: - <a href="mailto:IAAS.BASAR@gmail.com">IAAS.BASAR@gmail.com</a>, Phone Number: - 03795-226247/37, -96 (Fax)

## **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

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: Lower Dibang Valley** 

No: 58/2015-16/Tue

**Dated: 19th July, 2016** 



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = (Roing): 270.3 mm	Mostly cloudy sky with possibility of moderate/heavy rainfall. Max
	Temp=27°C and Min Temp=21°C, RH=64-99%, Wind Speed=2
	kmph, Wind direction: ESE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July

### 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
- $\bullet \quad \text{Preference must be given on use of organic manures/bio-fertilizers \& bio-pesticides } \\$
- ICAR Basar recommend poultry variety VANARAJA for backyard rearing

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
			VEGETABES
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
			FRUIT CROPS
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Pineapple	Active Vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to</li> </ul>

			<ul> <li>heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>		
T 1 D 1 1	G 11:	A	GROFORESTRY		
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>		
			LIVESTOCKS		
Livestock	Stage	Disease	Precautionary Practices to be followed		
Pigs	All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> </ul>		
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months.</li> </ul>		
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>		
Cattle/Mithun	All stages	FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>		
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: 19th to 22nd July, 2016)

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: Lower Subansiri** 

No: 58/2015-16/Tue

**Dated: 19th July, 2016** 



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = NA (Ziro)	Mostly cloudy sky with possibility of light rainfall. Max
	Temp=28°C and Min Temp=22°C, RH=86-98%, Wind Speed=2 kmph, Wind direction: SE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> & 22 <sup>nd</sup> July

#### 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

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	Crop	Stage	Pest/Disease	Precautionary Practices to be followed		
F				<b>FIELD</b>	CROPS	
	Wetland Rice	Nursery/ Transplantatio	Stem borer / thrips	•	Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.	

	n		<ul> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth
			sown in the month of April-May
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> </ul>
Ginger/turmeric	Vegetative	Soft Rot	<ul> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> <li>Cultural practice like weeding/earthing up is</li> </ul>
Singer, turment	stage	Soft Rot	<ul> <li>recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
			FRUIT CROPS
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>
Pineapple	Active vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.

		A	GROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> </ul>
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months.</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>
Cattle/Mithun	All stages	FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>
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: 19th to 22nd July, 2016)

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: Papum Pare** 

No: 58/2015-16/Tue

**Dated: 19th July, 2016** 



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July , 2016
Rainfall: 231.6 mm; T.Max: 31.0°C; T.Min: 24.0°C; RH: 80-98 %	Mostly cloudy weather is forecasted with light/moderate rainfall. Max Temp=30°C and Min Temp=24°C, RH=90-100%, Wind Speed=2-3 kmph, Wind direction: ENE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> & 22 <sup>nd</sup> July

#### 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 Pest/Disease **Precautionary Practices to be followed** Crop Stage FIELD CROPS Pulses/Ground Vegetative Cercospora Complete earthing up before 45-50 days after sowing. nut Leaf spot stage Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta & bettle in sovbean Epicauta Foliar spray of carbandazim/Mancozab@2gm/lit bettle Manual weeding in greengram/blackgram Proper drainage to avoid excess moisture or water logging. Complete sowing of soybean before July 1st week Soybean Vegetative Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May In upland rice, spraying of 1% DAP is recommended to Tillering stage Leaf Blast Jhum Rice/upland increase the nos. of effective tillers and yields. rice Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea. Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds. Wetland Rice Nursery/ Stem borer / Before transplanting, follow seedling root-dip treatment in Transplantatio thrips chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs. Before transplanting, clip off the tip of seedlings to prevent infestation. On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit) **VEGETABLES** Tomato Fruiting Removing sideshoots is an important job which prevents the fruits being shaded by leaves. As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation. Ginger/turmeric Vegetative Soft Rot Cultural like weeding/earthing practice stage recommended followed by basal dose of fertilizers For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water. Multiple Summer Dust ash powder in cucurbits Vegetables stages Use pheromone traps/light traps against brinjal shoot and fruit borer. FRUIT CROPS Large Flowering Chirkey Remove diseased part & keep inflorescence clean. Cardamom Disease stage Need based spray of broad spectrum fungicide like carbendazim @2g/lit water. Orchards Multiple stages half fruit Prepare moon terraces (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour. Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards Bunching Banana Desuckering of banana to be done leaving one suckers & planting per plant to maintain the health of mother plant. Remove the male flower in banana bunches to attain better finger/fruit size. Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm. Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m

			x 3m spacing.
Pineapple	Active vegetative		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
		A	GROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> </ul>
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 month</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>
Dog		Canine Parvovirus	Vaccinate as per consultation with vet
Cattle/Mithun		FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>
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: 19th to 22nd July, 2016)

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: Tawang** 

No: 58/2015-16/Tue

Dated: 19th July, 2016



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = 100.0 mm	Mostly cloudy sky with light rainfall in some places. Max
	Temp=19°C and Min Temp=14°C, RH=81-94%, Wind Speed=3-6
	kmph, Wind direction: SSW
Warning:	Heavy to very heavy rainfall is very likely in few places on 21st &
	22 <sup>nd</sup> July

#### 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			
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot &	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean

Poultry	All stages		Provide anticoccidial drugs as preventive dose
			<ul> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> </ul>
11g5	7 III stages		<ul> <li>Provide proper bedding materials for newly born piglets to protect them from cold</li> </ul>
Pigs	Stage All stages	Disease	Precautionary Practices to be followed     Provide concentrate feed and multi-vitamins
Livestock	Store	Disease	LIVESTOCKS  Procedutionary Practices to be followed
			<ul> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> <li>Earthing-up and removal of excess suckers in Pineapple should be carried out for better plant establishment and anchorage.</li> </ul>
Orchards	Multiple stages		Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.
			<ul> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain</li> </ul>
	stage		drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.  • Earthing up of ginger/turmeric along with basal application of required fertilizer should be done.  FRUIT CROPS
Summer Vegetables Ginger/turmeric	Multiple stages	Soft rot	<ul> <li>Spray azadirachtin <u>0.15EC@6ml/lit</u> against flea beetles</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> <li>For management of soft rot in ginger: Need based</li> </ul>
Summer.	Multiple		<ul> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Tomato	Fruiting		Removing sideshoots is an important job which prevents
			VEGETABLES
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
			<ul> <li>dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended</li> </ul>
		bettle	<ul> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> <li>Complete earthing up before 45-50 days after sowing.</li> </ul>
		Epicauta	Foliar spray of carbandazim/Mancozab@2gm/lit

			• Vaccinate DOC chicks against RD/F1 on 4 <sup>th</sup> day after birth & booster dose after 1 months.
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>
Cattle/Mithun/ Yak	C	FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel</li> </ul>

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

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

## **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

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: Tirap** 

No: 58/2015-16/Tue





Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = 85.6 mm (Deomali)	Mostly cloudy weather is forecasted for next 2-3 days with
	possibility of light/moderate rainfall in some places. Max
	Temp=27°C and Min Temp=22°C, RH=84-99%, Wind Speed=2
	kmph, Wind direction: SE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21st &
	22 <sup>nd</sup> July

### 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

		a pourting turiou	j
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Wetland Rice	Nursery/ Transplantatio	Stem borer / thrips	Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	n		

			<ul> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta bettle	<ul> <li>Complete earthing up before 45-50 days after sowing.</li> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Soybean	Vegetative		• Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> <li>On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast &amp; leaf spot at 15 days interval.</li> </ul>
			VEGETABLES
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower</li> </ul>
			FRUIT CROPS
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Pineapple	Multiple stages		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.
Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>

		A	GROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
	T		LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		Provide concentrate feed and multi-vitamins
			• Vaccination as per the schedule with proper consultation
			with vet.
			Deworm at regular interval
			During scarcity of fodder provide hay/silage/feedblocks.
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>
Dog	All stages	Canine Parvovirus	Vaccinate as per consultation with vet
Cattle	All stages	FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>
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: 19th to 22nd July, 2016)

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: 58/2015-16/Tue

Dated: 19th July, 2016



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = Tuting: 12.4 mm	Mostly cloudy weather is forecasted for next 2-3 days with
	possibility of light/moderate rainfall. Max Temp=28°C and Min
	Temp=22°C, RH=71-94%, Wind Speed=2-3 kmph, Wind direction:
	SSE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July

### 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

	T		ty VANARAJA for backyard rearing
Crop	Stage	Pest/Disease	Precautionary Practices to be followed
Pulses/Ground	Vacatativa	Canadanana	FIELD CROPS
nut	Vegetative stage	Cercospora Leaf spot	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> <li>Complete earthing up before 45-50 days after sowing.</li> </ul>
Upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Maize	Multiple stages		If bluish-green leaves are observed, apply SSP or DAP along with 2/3 <sup>rd</sup> of Urea to rejuvenate the plant from phosphorus deficiency
			VEGETABLES
Tomato	Fruiting		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Ginger/turmeric	stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> </ul>
			FRUIT CROPS
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Pineapple	Vegetative stage		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.

Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>			
		A	GROFORESTRY			
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>			
	LIVESTOCKS					
Livestock	Stage	Disease	Precautionary Practices to be followed			
Pigs	All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> </ul>			
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months.</li> </ul>			
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> </ul>			
Cattle/Mithun	All stages	FMD	Vaccination is advocated			
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: 19th to 22nd July, 2016)

ग्रामीण कृषि मौसम सेवा



### GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

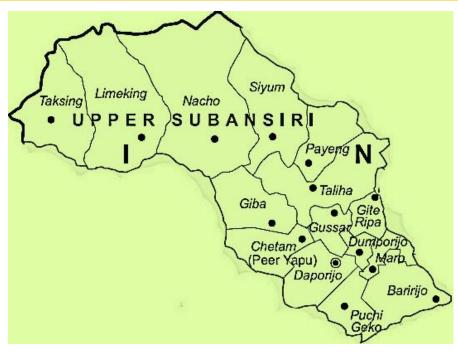


ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Upper Subansiri** 

No: 58/2015-16/Tue

**Dated: 19th July, 2016** 



Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = 4.0 mm (Puchi Geko); Daporijo:	Mostly cloudy weather is forecasted with possibility of
11.4 mm	light/moderate rainfall in few places. Max Temp=27°C and Min
	Temp=20°C, RH=80-98%, Wind Speed=2-3 kmph, Wind direction:
	SE
Warning	Heavy to very heavy rainfall is very likely in few places on 21st
	and 22 <sup>nd</sup> July

#### 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
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> <li>On clear/sunny days, spray carbendazim @2g/lit water in <i>jhum</i> field to control heavy infestation of leaf blast &amp; leaf spot at 15 days interval.</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> <li>Complete earthing up before 45-50 days after sowing.</li> </ul> VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
2022			<ul> <li>the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
Summer Vegetables	Multiple stages		<ul> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> </ul>
			FRUIT CROPS
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Pineapple	Vegetative stage		Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.

Banana	Bunching & planting		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> </ul>
		AG	ROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
		L	IVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages	•	Provide concentrate feed and multi-vitamins
		•	Vaccination as per the schedule with proper consultation with vet.  Deworm at regular interval
Poultry	All stages	•	Provide anticoccidial drugs as preventive dose Vaccinate DOC chicks against RD/F1 on 4 <sup>th</sup> day after birth & booster dose after 1 months.
Fishery		•	stocking density @ 1/m <sup>2</sup> Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle	All stages	FMD	Keep the periphery of the fish grow-out tank clean Vaccination is advocated
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: 19th to 22nd July, 2016)

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: West Kameng** 

No: 58/2015-16/Tue





Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = Bomdila: 0.0 mm; Bhalukpong:	Mostly cloudy sky with possibility of moderate/heavy rainfall. Max
94.4 mm	Temp=26°C and Min Temp=19°C, RH=90-98%, Wind Speed=2-3
	kmph, Wind direction: SSE
Warning:	Heavy to very heavy rainfall is very likely in few places on 21st
	and 22 <sup>nd</sup> July

#### 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

	C42.72		
Crop	Stage	Pest/Disease	Precautionary Practices to be followed FIELD CROPS
Upland / Jhum Rice	Tillering stage	Leaf Blast	<ul> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot	<ul> <li>Complete earthing up before 45-50 days after sowing</li> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta settle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
Maize	Multiple stages		• If bluish-green leaves are observed, apply SSP or DAP along with 2/3 <sup>rd</sup> of Urea to rejuvenate the plant from phosphorus deficiency
_		ı	VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents
			the fruits being shaded by leaves.
			As temperatures rise, keep watering your plants, but
			avoid watering the leaves excessively that may lead to disease infestation.
Circan/tarana ani a	Vacatativa	Coft Dot	
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
Summer	Multiple		Dust ash powder in cucurbits.
Vegetables	stages		• Use pheromone traps/light traps against brinjal shoot and fruit borer.
			<ul> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper drainage etc.</li> </ul>
			New nursery should be raised inside well covered structure  with a raised had to protect against continuous rain/shower.
			with a raised bed to protect against continuous rain/shower.  FRUIT CROPS
Large	Flowering	Chirkey	Remove diseased part & keep inflorescence clean.
Cardamom	stage	Disease	<ul> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages		<ul> <li>Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>
Pineapple	Vegetative		Remove excess suckers and spray NAA@100ppm to
	stage		increase fruit size and improve quality.
To the second se	F :		
Banana	Bunching		Remove the male flower in banana bunches to attain better finger/fruit size

			<ul> <li>give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m</li> </ul>
			x 3m spacing.
		A	GROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> </ul>
			<ul> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> </ul>
			High time of Insect attack, apply Bordeaux mixture or lime.
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		Provide concentrate feed and multi-vitamins
			• Vaccination as per the schedule with proper consultation
			with vet.
			Deworm at regular interval
Poultry	All stages		Provide anticoccidial drugs as preventive dose
			• Vaccinate DOC chicks against RD/F1 on 4 <sup>th</sup> day after birth & booster dose after 1 months.
Fishery			• Right time for stocking of fish fingerlings in fish tank with stocking density @1/m <sup>2</sup>
			Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings
Cattle	All stages	FMD	Vaccination is advocated
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: - <a href="mailto:IAAS.BASAR@gmail.com">IAAS.BASAR@gmail.com</a>, Phone Number: - 03795-226247/37, -96 (Fax)

Agrometeorological Field Unit ICAR. BASAR

# **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

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: West Siang** 

No: 58/2015-16/Tue

Dated: 19th July, 2016



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

Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July , 2016
Rainfall = 34.9 mm. T. Max: 25.5°C, T.	Mostly cloudy sky with possibility of light/moderate rainfall. Max
Min: 22.5°C, RH: 80-99%, Wind Speed: 2-4	Temp=28°C and Min Temp=20°C, RH=83-98%, Wind Speed=2-3
kmps, Wind Direction: SE	kmph, Wind direction: ES
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July

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	Y VANAKAJA for backyard rearing  Precautionary Practices to be followed
	is trigge		FIELD CROPS
Jhum Rice/upland rice	Tillering stage	Leaf Blast	<ul> <li>In upland rice, spraying of 1% DAP is recommended to increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Wetland Rice	Nursery/ Transplantatio n	Stem borer / thrips	<ul> <li>Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.</li> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Pulses/Ground nut	Vegetative stage	Cercospora Leaf spot & Epicauta Bettle	<ul> <li>Complete earthing up before 45-50 days after sowing</li> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta Bettle in soybean</li> <li>Foliar spray of carbandazim/Mancozab@2gm/lit</li> <li>Manual weeding in greengram/blackgram</li> <li>Proper drainage to avoid excess moisture or water logging.</li> </ul>
			VEGETABLES
Summer Vegetables	Fruiting  Multiple stages		<ul> <li>Removing sideshoots is an important job which prevents the fruits being shaded by leaves.</li> <li>As temperatures rise, keep watering your plants, but avoid watering the leaves excessively that may lead to disease infestation.</li> <li>Dust ash powder in cucurbits</li> <li>Use pheromone traps/light traps against brinjal shoot and fruit borer.</li> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper</li> </ul>
Ginger/turmeric	Vegetative stage	Soft rot	<ul> <li>drainage etc.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water</li> <li>Earthing up of ginger/turmeric along with basal application of required fertilizer should be done.</li> </ul>
			FRUIT CROPS
Large Cardamom Orchards	Flowering stage  Multiple stages	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> <li>Prepare half moon terraces in fruit crops</li> </ul>
Officialus	winiupie stages		<ul> <li>Frepare han moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to prevent nutrient loss during heavy downpour.</li> <li>Follow proper drainage and earthing up practices in low land/plain areas to avoid water stagnation in fruit orchards</li> </ul>

Pineapple	Active Vegetative stage		<ul> <li>Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.</li> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> <li>Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to heavy weight or storm.</li> <li>Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.</li> <li>Remove excess suckers and spray NAA@100ppm to increase fruit size and improve quality.</li> </ul>	
	Stage	A	GROFORESTRY	
Toko Palm and other MPTs	Seedling	A	<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>	
			LIVESTOCKS	
Livestock	Stage	Disease	Precautionary Practices to be followed	
Pigs	All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> <li>During scarcity of fodder provide hay/silage/feedblocks.</li> </ul>	
Poultry	All stages		<ul> <li>Provide anticoccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months.</li> </ul>	
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @ 1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> <li>Keep the periphery of fish grow-out tank clean and weed free</li> </ul>	
Cattle/Mithun	All stages	FMD	<ul> <li>Vaccination is advocated</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>	
Contact Scien	Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit ICAR, BASAR

# **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

ग्रामीण कृषि मौसम सेवा



## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

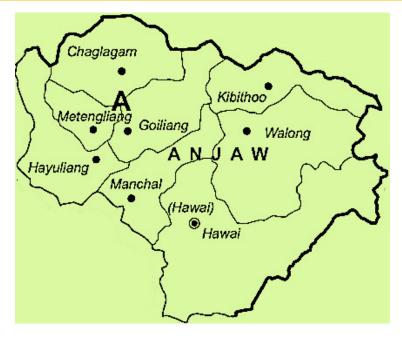


ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Anjaw** 

No: 58/2015-16/Tue

Dated: 19th July, 2016



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

Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = NA	Mostly cloudy sky with light/moderate rainfall. Max Temp=22°C
	and Min Temp=15°C, RH=75-97%, Wind Speed=2-3 kmph, Wind direction: E
Warning:	Heavy to very heavy rainfall is very likely in few places on 21 <sup>st</sup> and 22 <sup>nd</sup> July

#### 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
- Warning: Spraying of DDT in crops is lethal

Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Wetland Rice	Nursery/ Transplantatio	Stem borer / thrips	Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	n	-	Before transplanting, clip off the tip of seedlings to prevent infestation.
			On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)
Jhum Rice/upland	Tillering stage		• In upland rice, spraying of 1% DAP is recommended to
rice			<ul> <li>increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended</li> </ul>
			<ul> <li>dose of urea.</li> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Soybean	Vegetative		<ul> <li>Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May</li> </ul>
Pulses/Ground	Vegetative	Epicauta	Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta
nut	stage	Bettle	<ul><li>settle in soybean</li><li>Gap filling is recommended in the early sown crop</li></ul>
			Manual weeding in greengram/blackgram
			<ul> <li>Proper drainage to avoid excess moisture or water logging.</li> <li>Complete sowing of soybean before July 1<sup>st</sup> week</li> </ul>
			VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents the fruits being shaded by leaves.
			<ul> <li>As temperatures rise, keep watering your plants, but</li> </ul>
			avoid watering the leaves excessively that may lead to disease infestation.
Summer	Multiple		
Vegetables	stages		<ul><li>Dust ash powder in cucurbits</li><li>Use pheromone traps/light traps against brinjal shoot and fruit</li></ul>
			borer.
			<ul> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> </ul>
Ginger/turmeric	Vegetative stage	Soft Rot	<ul> <li>Cultural practice like weeding/earthing up is recommended followed by basal dose of fertilizers</li> </ul>
			• For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g
			per lit of water.
			TCULTURAL CROPS
Citrus	Fruiting	Fruit drop	Spray carbendazim @ 1ml/lit of water
Orchards	Multiple stages		Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to
			<ul><li>prevent nutrient loss during heavy downpour.</li><li>Follow proper drainage and earthing up practices in low</li></ul>
			land/plain areas to avoid water stagnation in fruit orchards
Pineapple	Active		Remove excess suckers and spray NAA@100ppm to
<u> </u>	vegetative	CI. I	increase fruit size and improve quality.
Large Cardamom	Flowering stage	Chirkey Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Banana	Bunching		Desuckering of banana to be done leaving one suckers
	& planting		<ul><li>per plant to maintain the health of mother plant.</li><li>Remove the male flower in banana bunches to attain</li></ul>
			better finger/fruit size.  • Remove excess sucker from Banana in mother plant and
			Remove excess sucker from Banana in mother plant and give support in banana bunches to protect falling due to

Toko Palm and other MPTs	Seedling	A	heavy weight or storm.  Sword suckers with stout base, tapering towards the top with narrow leaves should be selected for planting at 3m x 3m spacing.  GROFORESTRY  Transplantation of seedling in filed followed by application of basal dose of fertilizers.  Suitable time for transplanting of seedlings cuttings in the fields.  High time of Insect attack, apply Bordeaux mixture or
			lime.
			LIVESTOCKS
Livestock	Stage	Disease	Precautionary Practices to be followed
Pigs	All stages		<ul> <li>Vaccination in DOC against RD(F1) at 4-6 days old followed by booster dose after month.</li> <li>Deworm at regular interval</li> <li>Disinfecting the animal/bird sheds with lime powder/bleaching powder/ 4%NaOH at regular interval is advocated</li> <li>Provide adequate amount of potable water</li> </ul>
Poultry	All stages	Ranikhet & Coccidiosis	<ul> <li>Provide anti-coccidial drugs as preventive dose</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months.</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> <li>Keep the periphery of fish grow-out tank clean</li> </ul>
Cattle/Mithun	All stages	FMD	<ul> <li>Vaccination is advocated against FMD</li> <li>Deworming with antihelmintic drugs like oxyclozanide or pyrantel.</li> </ul>
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit ICAR, BASAR

# **Agro-met Advisory Bulletin**

(Period: 19th to 22nd July, 2016)

# ग्रामीण कृषि मौसम सेवा



## GRAMIN KRISHI MAUSAM SEWA

(Integrated Agro-Meteorological Advisory Services)

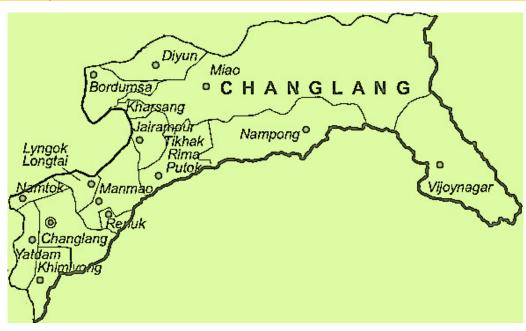


ICAR Research Complex for NEH Region Arunachal Pradesh Centre, Basar-791101

**District: Changlang** 

No: 58/2015-16/Tue

Dated:19th July, 2016



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

Weather summery of the previous week	Weather forecast valid up to 22 <sup>nd</sup> July, 2016
Rainfall = Changlang: 40.8 mm. Miao:	Mostly cloudy sky with possibility of light/moderate rainfall. Max
120.6 mm	Temp=27°C and Min Temp=22°C, RH=78-99%, Wind Speed=2
	kmph, Wind direction: ESE
Warning	Heavy to very heavy rainfall is very likely in few places on 21st
	and 22 <sup>nd</sup> July

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



Crop	Stage	Pest/Disease	Precautionary Practices to be followed
			FIELD CROPS
Wetland Rice	Nursery/ Transplantatio	Stem borer / thrips	Before transplanting, follow seedling root-dip treatment in chlorpyriphos 20 EC@ 2ml/10 lit for 12 hrs.
	n		<ul> <li>Before transplanting, clip off the tip of seedlings to prevent infestation.</li> </ul>
			<ul> <li>On clear day, spray Triazophos 40 EC@4ml/lit water with sticker (@1ml/lit)</li> </ul>
Upland Rice	Tillering		• In upland rice, spraying of 1% DAP is recommended to
			<ul> <li>increase the nos. of effective tillers and yields.</li> <li>Carry out top dressing in upland rice of 2/3<sup>rd</sup> of recommended</li> </ul>
			dose of urea.
			<ul> <li>Maintain periphery of nursery field weed free and clean to prevent disease and pest harboring in weeds.</li> </ul>
Soybean	Vegetative		Go for nipping in soyabean with excessive vegetative growth sown in the month of April-May
Pulses/Ground nut	Vegetative stage	Cercospora Leaf sopt	<ul><li>Foliar spray of carbandazim/Mancozab@2gm/lit</li><li>Manual weeding in greengram/blackgram</li></ul>
	suige	&	<ul> <li>Spray azadirachtin 0.15 EC@ 1 ml/lit against Epicauta</li> </ul>
		Epicauta bettle	<ul><li>bettle in soybean</li><li>Gap filling is recommended in the early sown crop</li></ul>
			<ul> <li>Complete sowing of soybean before July 1<sup>st</sup> week</li> </ul>
			VEGETABLES
Tomato	Fruiting		Removing sideshoots is an important job which prevents the fruits being sheded by leaves.
			<ul><li>the fruits being shaded by leaves.</li><li>As temperatures rise, keep watering your plants, but</li></ul>
			avoid watering the leaves excessively that may lead to disease infestation.
Summer Vegetables	Multiple stages		Use pheromone traps/light traps against brinjal shoot and fruit     horer
Vegetables	suges		<ul> <li>Proper scientific cultural practices to be carried out in all vegetables viz. cleaning, earthing up, weeding, proper</li> </ul>
			<ul> <li>drainage etc.</li> <li>New nursery should be raised inside well covered structure with a raised bed to protect against continuous rain/shower.</li> </ul>
Ginger/turmeric	Vegetative	Soft Rot	Cultural practice like weeding/earthing up is
	stage		<ul> <li>recommended followed by basal dose of fertilizers</li> <li>For management of soft rot in ginger: Need based drencing of Metalaxyl-8% + Mancozeb 64% WP @ 2.5 g per lit of water.</li> </ul>
			FRUIT CROPS
Large	Flowering	Chirkey	1
Large Cardamom	stage	Disease	<ul> <li>Remove diseased part &amp; keep inflorescence clean.</li> <li>Need based spray of broad spectrum fungicide like carbendazim @2g/lit water.</li> </ul>
Orchards	Multiple stages / all stages		• Prepare half moon terraces in fruit crops (orange/banana/apple/peach) grown in steep slopes to
			<ul><li>prevent nutrient loss during heavy downpour.</li><li>Follow proper drainage and earthing up practices in low</li></ul>
			land/plain areas to avoid water stagnation in fruit orchards
Banana	Bunching & planting		Desuckering of banana to be done leaving one suckers per plant to maintain the health of mother plant.
			<ul> <li>Remove the male flower in banana bunches to attain better finger/fruit size.</li> </ul>
			Remove excess sucker from Banana in mother plant and
			give support in banana bunches to protect falling due to heavy weight or storm.
			Sword suckers with stout base, tapering towards the top

	Τ		with narrow leaves should be selected for planting at 3m
			x 3m spacing.
		A	AGROFORESTRY
Toko Palm and other MPTs	Seedling		<ul> <li>Transplantation of seedling in filed followed by application of basal dose of fertilizers.</li> <li>Suitable time for transplanting of seedlings cuttings in the fields.</li> <li>High time of Insect attack, apply Bordeaux mixture or lime.</li> </ul>
			LIVESTOCKS
Livestock	Stage	Disease	<b>Precautionary Practices to be followed</b>
Pigs	All stages  All stages		<ul> <li>Provide concentrate feed and multi-vitamins</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Deworm at regular interval</li> <li>Disinfecting the animal/bird sheds with lime powder/bleaching powder/ 4%NaOH at regular interval is advocated</li> <li>Vaccinate DOC chicks against RD/F1 on 4<sup>th</sup> day after birth &amp; booster dose after 1 months.</li> <li>Quarantine the newly procured birds for one month before introduction with old birds.</li> </ul>
Fishery			<ul> <li>Right time for stocking of fish fingerlings in fish tank with stocking density @1/m²</li> <li>Broadcast mustard Oil Cake (MOC) @5kg/day over the pond twice daily to feed fish fingerlings</li> <li>Keep clean the periphery at the fish grow-out tank, because they absorb nutrients from the water.</li> </ul>
Cattle/Mithun	All stages	FMD	Vaccination is advocated against FMD
Contact Scientists (ICAR) or State Agril Staff or KVK staff for measures against adverse conditions or call at 03795-226237/226247			

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Agrometeorological Field Unit ICAR, BASAR