"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN District: Ukhrul

Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Ukhrul (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	30-34 °C & mini. temp. 25 °C. Relative humidity may reach
average wind speed was 2.0 - 2.9 km/ hr.	upto 99 % (max) & 72 % (min). The average wind speed may
	be 3-4 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>. For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest mature fruits and spray Bayleton @ 7 gm/ lit of water after rains.



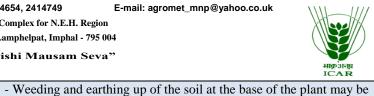


Colocasia

Corm formation

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



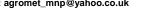
E-mail: agromet_mnp@yahoo.co.uk

Colocasia	Corni Iorinan			done after rains to enhance corm development. Drain out excess water.	
				- Spray D-M 45 @ 2g/lit of water to protect from leaf spot.	
Animal Sciences					
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories	
Poultry (Chicken/	All	Endoparasites	- I	De-worm using Piperazine citrate.	
Duck)	susceptible	_	- (Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.	
	age groups	Coccidiosis		As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit water.	
		coli bacillosis		dd sanitizer in drinking water and avoid muddy water for drinking urpose.	
Pig	Above 3	Coccidial infection		Dfloxacine/ Ornidazole (O_2) tab twice daily for 5 days.	
U	months of age	Endo/ Ecto parasite or infection		nject Neomac @ 1 ml/ 10 kg body weight.	
		Management		Freat drinking water with potassium permanganate/ sanitizer. Provide nple ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Faciolasis		De-worming with suitable Anthelmatics against Faciolasis.	
	months of	Endoparasite/		nject Parid @ 1 ml/ 50 kg body weight.	
	age	Ectoparasite			
	N	Management		Provide wholesome water. Protection from high temp may be ensured.	
				Electrolytes in the form of powder/ liquid may be given. Increase salt	
				vel in feed.	
				Protect animals from PICA (depraved appetite) by providing essential	
<u> </u>	A 11	E		bdy salts (mineral forte powder) 25g/day.	
Goat	All age groups except three	Fascioliosis		Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with tamins like Livozyme @ 50ml twice daily.	
	months or	Endoparasite/		eworm using Minthal bolus @ ¹ /2 bolus per 20 kg body weight	
	below	Ectoparasite		companied with Livozyme @ 50ml daily.	
		Management		Fly repellent must be used. Disinfection of farm and premises are to be	
				rried out strictly. Due care need to be taken to prevent spread of disease	
				used by flies/ mosquitoes/ ticks, etc.	
Fishery:					
Carp culture Se	ed production	Pond and Water	1.Water	r depth should be maintained at 2.0 m	
•				y lime 30 Kg/ha every 30 days interval	
		Feed		Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits		
		Fish	Select fully matured male and female brood fish for induced breeding		
Hatchery		clean hapas (if hapa breeding is done) and incubators			
Unit			ggs in the l	hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and	
		of water capacity)	horing	timum dissolved environ and DII level for betaking	
	3. Supply only good water quality having optimum dissolved oxygen and PH level for hatching.				

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"



Date of issue: 5th July, 2019



MANIPUR AGROMET ADVISORY BULLETIN District: Bishnupur

Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Bishnupur (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	30-35 °C & mini. temp. 23-25 °C. Relative humidity may
average wind speed was 2.0 - 2.9 km/ hr.	reach upto 99 % (max) & 61 % (min). The average wind
	speed may be 2-3 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>.
			- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest mature fruits and spray Bayleton @ 7 gm/ lit of water after rains.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



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Colocasia	Corm formatio	on		 Weeding and earthing up of the soil at the base of the plant may be done after rains to enhance corm development. Drain out excess water. Spray D-M 45 @ 2g/lit of water to protect from leaf spot.
Animal Sciences	Ct.	D: //M		
Name of bird/ animal	Stage	Disease/ Managemen	nt	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites		 De-worm using Piperazine citrate. Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
		coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age	Endo/ Ecto parasite or infection	skin	- Inject Neomac @ 1 ml/ 10 kg body weight.
	C	Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide
				ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.
	months of	Endoparasite/		- Inject Parid @ 1 ml/ 50 kg body weight.
	age	Ectoparasite		
		Management		 Provide wholesome water. Protection from high temp may be ensured. Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
Goat	All age groups except three	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite		Deworm using Minthal bolus @ ¹ / ₂ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management		- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery:				
Carp culture Se			Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Provide Nutritionally well balanced feed @ 3.5% body weight per day in splits	
		Feed		
		Fish		ct fully matured male and female brood fish for induced breeding
Hatchery Unit	2. Put only r 1275 litre	clean hapas (if hapa breeding is done) and incubators recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and e of water capacity) nly good water quality having optimum dissolved oxygen and PH level for hatching.		

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN District: Chandel

Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Chandel (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	31-34 °C & mini. temp. 24-26 °C. Relative humidity may
average wind speed was 2.0 - 2.9 km/ hr.	reach upto 99 % (max) & 70 % (min). The average wind
	speed may be 3-4 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>.
			- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest mature fruits and spray Bayleton @ 7 gm/ lit of water after rains.



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



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Corm formation	on		 Weeding and earthing up of the soil at the base of the plant may be done after rains to enhance corm development. Drain out excess water. Spray D-M 45 @ 2g/lit of water to protect from leaf spot.
Stage	Disease/ Management	nt	Agro-meteorological advisories
All	Endoparasites		 De-worm using Piperazine citrate. Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
	coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
months of	Endo/ Ecto parasite or	skin	- Inject Neomac @ 1 ml/ 10 kg body weight.
ugo	Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.
months of	Endoparasite/		- Inject Parid @ 1 ml/ 50 kg body weight.
			 Provide wholesome water. Protection from high temp may be ensured. Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
All age groups except three	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
months or below	Endoparasite/ Ectoparasite		Deworm using Minthal bolus @ ¹ / ₂ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
			- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Carp culture Seed production		d Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Provide Nutritionally well balanced feed @ 3.5% body weight per day in t splits	
2. Put only r	clean hapas (if hapa breeding is done) and incubators ecommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and of water capacity)		s is done) and incubators
	only good water quality having optimum dissolved oxygen and PH level for hatching.		
	Stage All susceptible age groups Above 3 months of age Above 3 months of age All age groups eed production 1. Use only of 2. Put only r 1275 litre	All susceptible age groups Endoparasites All susceptible age groups Coccidiosis Coccidial infection months of age Coccidial infection Endo/ Ecto parasite or infection Above 3 months of age Faciolasis Above 3 months of age Faciolasis Above 3 months of age Faciolasis All age groups except three months or below Fascioliosis Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite Management Fascioliosis eed production Pond and Water Feed Fish 1. Use only clean hapas (if hapa bi 2. Put only recommended no. of eg 1275 litre of water capacity)	Stage Disease/Management All Endoparasites susceptible Coccidiosis age groups Coccidial infection Above 3 Coccidial infection months of Endo/ Ecto parasite or skin age Faciolasis Management Management Above 3 Faciolasis months of Endoparasite/ age Ectoparasite Management Management All age groups Fasciolasis except three months or below Fascioliosis except three months or below Fascioliosis eed production Pond and Water 1.W 2. A Feed Provisplit Fish Sele 1. 1. Use only clean hapas (if hapa breeding Sele 1. Use only clean hapas (if hapa breeding Sele 1. Use only clean hapas (if hapa breeding 2. Put only recommended no. of eggs in t 1275 litre of water capacity) Sele Sele

SMS:

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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN **District:** Churachandpur

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Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Churachandpur (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 – 33.1 °C and minimum of 23.2 – 23.5 °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	32-37 °C & mini. temp. 24-26 °C. Relative humidity may
average wind speed was 2.0 - 2.9 km/ hr.	reach upto 99 % (max) & 67 % (min). The average wind
	speed may be 2-4 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>.
			- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest mature fruits and spray Bayleton @ 7 gm/ lit of water after rains.





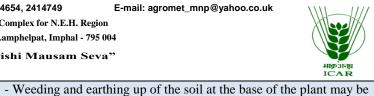


Colocasia

Corm formation

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

Colocasia	Commonau			done after rains to enhance corm development. Drain out excess water.	
				- Spray D-M 45 @ 2g/lit of water to protect from leaf spot.	
Animal Sciences					
Name of bird/ anima	l Stage	Disease/ Management		Agro-meteorological advisories	
Poultry (Chicken/	All	Endoparasites		- De-worm using Piperazine citrate.	
Duck)	susceptible			- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.	
	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
		coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or infection	skin	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide	
				ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.	
	months of	Endoparasite/		- Inject Parid @ 1 ml/ 50 kg body weight.	
	age	Ectoparasite			
		Management		- Provide wholesome water. Protection from high temp may be ensured.	
				- Electrolytes in the form of powder/ liquid may be given. Increase salt	
				level in feed. - Protect animals from PICA (depraved appetite) by providing essential	
				body salts (mineral forte powder) 25g/day.	
Goat	All age groups	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
Guai	except three	1 43010110313		vitamins like Livozyme @ 50ml twice daily.	
	months or	Endoparasite/		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight	
	below	Ectoparasite		accompanied with Livozyme @ 50ml daily.	
		Management		- Fly repellent must be used. Disinfection of farm and premises are to be	
		U		carried out strictly. Due care need to be taken to prevent spread of disease	
				caused by flies/ mosquitoes/ ticks, etc.	
Fishery:					
Carp culture	Seed production	Pond and Water	1.Wa	ater depth should be maintained at 2.0 m	
•	1			pply lime 30 Kg/ha every 30 days interval	
		Feed		ide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			splits	S	
		Fish	Select fully matured male and female brood fish for induced breeding		
Hatchery		clean hapas (if hapa breeding is done) and incubators			
Unit			ggs in tł	he hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and	
		of water capacity)			
	3. Supply or	nly good water quality	having	optimum dissolved oxygen and PH level for hatching.	

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"

749 ; Fax : (0385) 24 ICAR Researc Manipur Centre, "Gramin K

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MANIPUR AGROMET ADVISORY BULLETIN District: Imphal East

L.	
Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Imphal East (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	31-33 °C & mini. temp. 24-25 °C. Relative humidity may
average wind speed was 2.0 - 2.9 km/ hr.	reach upto 96 % (max) & 52 % (min). The average wind
	speed may be 4-5 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>. For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or
			spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest mature fruits and spray Bayleton @ 7 gm/ lit of water after rains.





Date of issue: 5th July, 2019

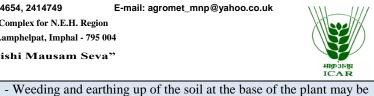


Colocasia

Corm formation

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

Colocasia	Cornir formativ			done after rains to enhance corm development. Drain out excess water.	
				- Spray D-M 45 @ 2g/lit of water to protect from leaf spot.	
Animal Sciences					
Name of bird/ anima	I Stage	Disease/ Managem	ent	Agro-meteorological advisories	
Poultry (Chicken/	All	Endoparasites		- De-worm using Piperazine citrate.	
Duck)	susceptible			- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.	
	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
		coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O_2) tab twice daily for 5 days.	
	months of age	Endo/ Ecto parasite or infection	r skin	- Inject Neomac @ 1 ml/ 10 kg body weight.	
		Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Cattle	Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.	
Cattle	months of	Endoparasite/		- Inject Parid @ 1 ml/ 50 kg body weight.	
	age	Ectoparasite		- inject r and @ r ini/ 50 kg body weight.	
	uge	Management		- Provide wholesome water. Protection from high temp may be ensured.	
		Wanagement		- Electrolytes in the form of powder/ liquid may be given. Increase salt	
				level in feed.	
				- Protect animals from PICA (depraved appetite) by providing essential	
				body salts (mineral forte powder) 25g/day.	
Goat	All age groups	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
	except three			vitamins like Livozyme @ 50ml twice daily.	
	months or	Endoparasite/		Deworm using Minthal bolus @ 1/2 bolus per 20 kg body weight	
	below	Ectoparasite		accompanied with Livozyme @ 50ml daily.	
		Management		- Fly repellent must be used. Disinfection of farm and premises are to be	
				carried out strictly. Due care need to be taken to prevent spread of disease	
				caused by flies/ mosquitoes/ ticks, etc.	
Fishery:					
Carp culture S	Seed production	Pond and Water	1.W	Vater depth should be maintained at 2.0 m	
				Apply lime 30 Kg/ha every 30 days interval	
		Feed		Provide Nutritionally well balanced feed @ 3.5% body weight per day in two	
			spli		
		Fish			
Hatchery		clean hapas (if hapa breeding is done) and incubators			
Unit			eggs in	the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and	
		of water capacity)			
	3. Supply or	nly good water quality	y having	g optimum dissolved oxygen and PH level for hatching.	

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN **District: Imphal West**

	*	
ſ	Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Imphal West (6 th to 10 th July, 2019):
	21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
	remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
	29.2 – 33.1 °C and minimum of 23.2 – 23.5 °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
	of 87.7 % max & 72.0 % min was recorded in the past three days &	32-36 °C & mini. temp. 24-25 °C. Relative humidity may
	average wind speed was 2.0 - 2.9 km/ hr.	reach upto 100 % (max) & 68 % (min). The average wind
		speed may be 4-5 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Stage	Pest and disease	Agro-meteorological advisories
Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Vegetative		- Avoid water logging if it rains heavy.
Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>.
		- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Stage	Pest and disease	Agro-meteorological advisories
Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
		After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Fruiting to		- Support/ stack properly to avoid any loss due to contact of fruits with
	Main field preparation and transplanting Direct seeding with drum seeder Vegetative Vegetative Vegetative Post-harvest Management Planting For grown up trees	Main field preparation and transplantingImage: Constraint of the section of th







ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



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Colocasia	Corm formation	on		 Weeding and earthing up of the soil at the base of the plant may be done after rains to enhance corm development. Drain out excess water. Spray D-M 45 @ 2g/lit of water to protect from leaf spot.
Animal Sciences				
Name of bird/ animal	Stage	Disease/ Manageme	nt	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites		 De-worm using Piperazine citrate. Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
		coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age	Endo/ Ecto parasite or infection	skin	- Inject Neomac @ 1 ml/ 10 kg body weight.
	0	Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide
				ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.
	months of	Endoparasite/		- Inject Parid @ 1 ml/ 50 kg body weight.
	age	Ectoparasite		
		Management		 Provide wholesome water. Protection from high temp may be ensured. Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
Goat	except three months or En	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite		Deworm using Minthal bolus @ ¹ / ₂ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management		- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery:				
Carp culture S	eed production			ater depth should be maintained at 2.0 m Apply lime 30 Kg/ha every 30 days interval
		Feed		vide Nutritionally well balanced feed @ 3.5% body weight per day in two
		Fish	Sele	ect fully matured male and female brood fish for induced breeding
Hatchery Unit	2. Put only r 1275 litre	clean hapas (if hapa breeding is done) and incubators recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and of water capacity) nly good water quality having optimum dissolved oxygen and PH level for hatching.		

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN District: Senapati

Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Senapati (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	32-34 °C & mini. temp. 25 °C. Relative humidity may reach
average wind speed was 2.0 - 2.9 km/ hr.	upto 99 % (max) & 69 % (min). The average wind speed may
	be 3-4 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>.
			- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest mature fruits and spray Bayleton @ 7 gm/ lit of water after rains.







ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

Colocasia	Corm formation	on		- Weeding and earthing up of the soil at the base of the plant may be done after rains to enhance corm development. Drain out excess water.
4 * 10 *				- Spray D-M 45 @ 2g/lit of water to protect from leaf spot.
Animal Sciences Name of bird/ animal	Stage	Disease/ Manageme	ent	Agro-meteorological advisories
Poultry (Chicken/ Duck) All susceptible age groups Endoparasites Coccidiosis		Endoparasites		 De-worm using Piperazine citrate. Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water. Add sanitizer in drinking water and avoid muddy water for drinking
				purpose.
Pig	Above 3 months of age	Coccidial infection Endo/ Ecto parasite or infection	r skin	 Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. Inject Neomac @ 1 ml/ 10 kg body weight.
		Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3 months of age	Faciolasis Endoparasite/ Ectoparasite		 De-worming with suitable Anthelmatics against Faciolasis. Inject Parid @ 1 ml/ 50 kg body weight.
		Management		 Provide wholesome water. Protection from high temp may be ensured. Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
Goat	All age groups except three	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endoparasite/ Ectoparasite Management		 Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery:	-			
Carp culture Seed production		Pond and Water	2. A	Vater depth should be maintained at 2.0 m Apply lime 30 Kg/ha every 30 days interval
		Feed	spli	
Hatchery Unit	2. Put only r 1275 litre	FishSelect fully matured male and female brood fish for induced breedinglean hapas (if hapa breeding is done) and incubatorscommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height andof water capacity)y good water quality having optimum dissolved oxygen and PH level for hatching.		

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN District: Tamenglong

0.00	
Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Tamenglong (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	33-34 °C & mini. temp. 24-25 °C. Relative humidity may
average wind speed was 2.0 - 2.9 km/ hr.	reach upto 100 % (max) & 63 % (min). The average wind
	speed may be 3-4 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>.
			- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting	Lichen incidence	- If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.
Khasi Mandarin	For grown up trees		After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water.
Kachai Lemon			After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water.
Banana	Planting		 After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed.
Cucurbits	Fruiting to harvesting	Powdery mildew	 Support/ stack properly to avoid any loss due to contact of fruits with soil and to avoid overcrowding of leaves/ branches. If there is infestation of Powdery mildew in large scale, first harvest



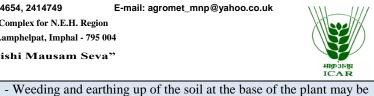


Colocasia

Corm formation

ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



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Colocasia	Cormitormativ			done after rains to enhance corm development. Drain out excess water.
				- Spray D-M 45 @ 2g/lit of water to protect from leaf spot.
Animal Sciences				
Name of bird/ animal	Stage	Disease/ Manageme	ent	Agro-meteorological advisories
Poultry (Chicken/	All	Endoparasites		- De-worm using Piperazine citrate.
Duck)	susceptible	_		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
		coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
0	months of age	Endo/ Ecto parasite or infection		- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.
Cattle	months of	Endoparasite/		- De-worning with suitable Antiennatics against Paciolasis. - Inject Parid @ 1 ml/ 50 kg body weight.
	age	Ectoparasite		- inject i and @ 1 mi/ 50 kg body weight.
	uge	Management		- Provide wholesome water. Protection from high temp may be ensured.
		Wanagement		- Electrolytes in the form of powder/ liquid may be given. Increase salt
				level in feed.
				- Protect animals from PICA (depraved appetite) by providing essential
				body salts (mineral forte powder) 25g/day.
Goat	All age groups	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with
	except three			vitamins like Livozyme @ 50ml twice daily.
	months or	Endoparasite/		Deworm using Minthal bolus @ 1/2 bolus per 20 kg body weight
	below	Ectoparasite		accompanied with Livozyme @ 50ml daily.
		Management		- Fly repellent must be used. Disinfection of farm and premises are to be
				carried out strictly. Due care need to be taken to prevent spread of disease
				caused by flies/ mosquitoes/ ticks, etc.
Fishery:				
Carp culture S	eed production	Pond and Water	1.Wa	ter depth should be maintained at 2.0 m
				pply lime 30 Kg/ha every 30 days interval
		Feed		ide Nutritionally well balanced feed @ 3.5% body weight per day in two
			splits	
		Fish		
Hatchery		y clean hapas (if hapa breeding is done) and incubators		
Unit			ggs in th	he hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and
		of water capacity)		
	3. Supply or	ily good water quality	having	optimum dissolved oxygen and PH level for hatching.

SMS:

Lakliba NIngthoukaba faoba nong khara yamna churaba yai amadi leibakpokpa amadi Yumjakeisada khara hanthana churaba yai. Phougi louhon thadokpiba yare. Thaba loirakpada chayol amamuk ishing khitang thambiyu mara chetsinnaba adugi matungdadi ishinggi chang tapna tapna hengattuna 5-8 cm luna thambiyu.

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN **District:** Thoubal

Past weather for the of Imphal West (2 nd to 4 th July, 19):	Weather forecast for Thoubal (6 th to 10 th July, 2019):
21.3 mm rainfall was observed during the past three days. The skies	Likely to have widespread moderate to heavy rains upto
remained mainly cloudy to overcast. Maximum temperature ranged from	Monday then light to moderate rains upto Wednesday. The
29.2 - 33.1 °C and minimum of $23.2 - 23.5$ °C. Mean relative humidity	sky will remain mainly cloudy to overcast with max. temp.
of 87.7 % max & 72.0 % min was recorded in the past three days &	30-34 °C & mini. temp. 23-25 °C. Relative humidity may
average wind speed was 2.0 - 2.9 km/ hr.	reach upto 98 % (max) & 75 % (min). The average wind
	speed may be 3-5 km/hr.

General Advisory:

- 1. Harvest rain water wherever possible to cope up water shortage problems after rains.
- 2. Monitor insect pest infestation in the crop field.
- 3. Proper drainage systems may be made in and around the crop fields and near the sheds of birds and animals to avoid water logging.
- 4. Add sanitizer in drinking water for birds and animals. Avoid leakage of rain water in sheds.
- 5. Avoid draining of muddy water in culture ponds, also liming may be done @ 300kg/ha to improve water quality in ponds. Raise the level of ridges around the fish ponds.

Field Crops					
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories		
Kharif Rice	Main field preparation and transplanting		- Uproot 25-30 days old seedlings. Transplant 2-3 seedlings at a spacing of 25cm x 10cm. Drain out excess water if accumulated due to rains just after transplanting and maintain a thin film of water for a week till the seedlings are established then gradually increase water level.		
	Direct seeding with drum seeder		- Treat seed with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.		
Kharif maize	Vegetative		- Avoid water logging if it rains heavy.		
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		 Avoid water logging if it rains heavy. Second hand weeding may be done after rains nearly at 35 days after sowing to avoid leaf eating insects/hairy caterpillars. Avoid earthing up after 40 days of sowing in <i>groundnut</i>. 		
			- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water) after rains.		
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.		
Horticulture Crops					
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories		
Name of the crop Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Stage Planting	Pest and disease Lichen incidence	Agro-meteorological advisories - If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate.		
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean Khasi Mandarin			 If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate. After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. 		
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean	Planting		 If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate. After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of 		
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean Khasi Mandarin Kachai Lemon Banana	Planting For grown up trees Planting Planting		 If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate. After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ radish/ carrot or spinach may be followed. 		
Orange/Lime/ Lemon/Papaya/ Litchi/ Tree bean Khasi Mandarin Kachai Lemon	Planting For grown up trees		 If lichen is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate. After rains, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water and Imidachloprid @ 5 ml/10 lit water. After rains, apply 400 g Urea, 550 g SSP, 250 g MOP and 50 g Borax. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litre water and Imidachloprid @ 5 ml/10 lit water. After rains, plant banana at a spacing of 2.7m x 3m for tall varieties and 1.8m x 2.4m for dwarf varieties. Pit size: 2x2x2 feet. Fill up the pit with soil & FYM in the ratio 3:2. Plant one sucker (with broad base & narrow leaves) per pit. In newly established orchard, intercropping with cabbage/ cauliflower/ 		





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"Gramin Krishi Mausam Seva"



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a i i				
Corm formation	on		 Weeding and earthing up of the soil at the base of the plant may be done after rains to enhance corm development. Drain out excess water. Spray D-M 45 @ 2g/lit of water to protect from leaf spot. 	
Stage	Disease/ Management	nt	Agro-meteorological advisories	
All	Endoparasites		 De-worm using Piperazine citrate. Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds. 	
age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	
	coli bacillosis		Add sanitizer in drinking water and avoid muddy water for drinking purpose.	
Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
months of	Endo/ Ecto parasite or	skin	- Inject Neomac @ 1 ml/ 10 kg body weight.	
	Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.	
Above 3	Faciolasis		- De-worming with suitable Anthelmatics against Faciolasis.	
months of	Endoparasite/		- Inject Parid @ 1 ml/ 50 kg body weight.	
	Management		 Provide wholesome water. Protection from high temp may be ensured. Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day. 	
except three months or below E	Fascioliosis		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.	
	Endoparasite/ Ectoparasite		Deworm using Minthal bolus @ ¹ / ₂ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.	
	Management		- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.	
ed production	Pond and Water		1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	
	Feed	Prov split		
	Fish	Sele	ct fully matured male and female brood fish for induced breeding	
 Use only clean hapas (if hapa breeding is done) and incubators Put only recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and 				
		having	g optimum dissolved oxygen and PH level for hatching.	
	Stage All susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below eed production 1. Use only of 2. Put only r 1275 litre	All susceptible age groups Endoparasites Above 3 months of age Coccidial infection Endo/ Ecto parasite or infection Above 3 months of age Faciolasis Above 3 months of age Faciolasis Above 3 months of age Faciolasis Above 3 months of age Faciolasis Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite All age groups except three months or below Fascioliosis Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite Management Management All age groups except three months or below Fascioliosis Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite Endoparasite/ Ectoparasite Endoparasite/ E	Stage Disease/Management All Endoparasites susceptible coccidiosis age groups Coccidiosis Coli bacillosis coli bacillosis Above 3 Coccidial infection months of age Endo/ Ecto parasite or skin infection Management Management Above 3 Faciolasis months of age Faciolasis Management Management Above 3 Faciolasis months of age Faciolasis Endoparasite/ Ectoparasite Management Management Management Management Management Fascioliosis except three months or below Fish Sele Nanagement Management I.W Sele Pond and Water I.W Sele Fish Sele 1.	

SMS:

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