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"Integrated Agromet Advisory Services"

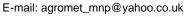
MANIPUR BULLETIN 16th September, 2014

Chandel

Significant past weather for the preceding bi-weekly of Imphal - West (12 th to 15 th September, 2014)	Weather forecast for next five days of Chandel $(17^{th} \text{ to } 21^{st} \text{ September}, 2014)$
<u>Imphal - West (12 to 15 September, 2014)</u>	<u>(17 to 21 September, 2014)</u>
During past four days sky was partly cloudy to mainly cloudy	There may be moderate to heavy rains upto Sunday. Sky
but cloudy during afternoon hours of 9 th September. No	may be partly cloudy to cloudy with maximum temp. of
rainfall was recorded during past four days. Maximum	31.0 – 33.0 °C & minimum temp. 22.0 - 23.0 °C. Relative
temperature range observed was 31.2 - 32.4 °C, range of	humidity may reach a maximum of 100 % (maximum RH)
minimum temperature observed was 20.6 - 22.6 °C, mean	& 98 % (minimum RH). The average wind speed may be
relative humidity observed in morning and afternoon were	2-4 km/hr during next five days.
86.3 % and 64.8 % respectively. The average wind speed	
range was $0.6 - 1.5$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops]	IL	
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	 Hand weeding should be done to prevent hairy caterpillar and other insect pest. Avoid weeding if it rains. Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Vegetative	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







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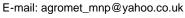
Animal Sc Name of the a		Growth stage	Disease/ infestation	Agro-meteorological advisories	
		8		Agi o-meteor ologicar advisories	
- Provide cle	an drinl	akage in sheds of birds king water to birds and to reduce flies and mos	animals. Avoid water	logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
		groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goa	nt	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O_2) tab twice daily for 5 days.	
		required)	Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buff	falo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construc	t band r	ings around the por	nd using happa/ plast	ic nets to avoid escape of fish due to rain.	
Type of Farming	Stage		Agro-metrological advisor	-	
Carp/	Grow	/ ·	- Ponds should be free	from unwanted vegetation and insects and water depth should be	
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurse		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
			- Well balanced feed fortified with vitamins and minerals should be provided.		
			 Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Doddy	Wata			ter depth of the trenches in paddy field. Provide rice bran and mustard oil	
Paddy cum fish culture				entary feed. Avoid insecticide/pesticide application.	

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

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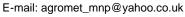
MANIPUR BULLETIN 16th September, 2014

Churachandpur

Significant past weather for the preceding bi-weekly of	<u>Weather forecast</u> for next five days of Churachandpur
Imphal - West (12 th to 15 th September, 2014)	(17^{th} to 21^{st} September, 2014)
During past four days sky was partly cloudy to mainly cloudy but cloudy during afternoon hours of 9 th September. No rainfall was recorded during past four days. Maximum temperature range observed was $31.2 - 32.4$ °C, range of minimum temperature observed was $20.6 - 22.6$ °C, mean relative humidity observed in morning and afternoon were 86.3 % and 64.8 % respectively. The average wind speed range was $0.6 - 1.5$ km/hr.	There may be moderate to heavy rains upto Sunday. Sky may be partly cloudy to cloudy with maximum temp. of $30.0 - 32.0$ °C & minimum temp. $20.0 - 22.0$ °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 90 % (minimum RH). The average wind speed may be 2-3 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	_,	1	,
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	 Hand weeding should be done to prevent hairy caterpillar and other insect pest. Avoid weeding if it rains. Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Vegetative	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	<u> </u>		
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







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Name of the an	imal	Growth stage	Disease/ infestation	Agro-meteorological advisories	
		kage in sheds of birds			
 Provide clea Take up mea 	an drink asures t	o reduce flies and mos	squitoes population in a	logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
	groups (as and when required)		Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goat	t	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
			Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	required)		Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buffa	lo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	band ri	ings around the por	nd using happa/ plast	ic nets to avoid escape of fish due to rain.	
Type of Farming	Stage	-	Agro-metrological advisor	-	
Carp/	Grow		- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurser		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
			- Well balanced feed fortified with vitamins and minerals should be provided.		
				4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	
Daddar	Water			ngs/ha can be stocked. Sampling of fish should be done by regular netting.	
Paddy cum fish	water			ter depth of the trenches in paddy field. Provide rice bran and mustard oil entary feed. Avoid insecticide/pesticide application.	
culture					

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

E-mail: agromet_mnp@yahoo.co.uk



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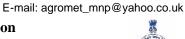
MANIPUR BULLETIN 16th September, 2014

Imphal-East

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Imphal-East
Imphal - West (12 th to 15 th September, 2014)	$(17^{\text{th}} \text{ to } 21^{\text{st}} \text{ September}, 2014)$
~	
During past four days sky was partly cloudy to mainly cloudy	There may be moderate to heavy rains upto Sunday. Sky
but cloudy during afternoon hours of 9 th September. No	may be partly cloudy to cloudy with maximum temp. of
rainfall was recorded during past four days. Maximum	30.0 - 32.0 °C & minimum temp. $20.0 - 22.0$ °C. Relative
temperature range observed was 31.2 - 32.4 °C, range of	humidity may reach a maximum of 100 % (maximum RH)
minimum temperature observed was 20.6 - 22.6 °C, mean	& 99 % (minimum RH). The average wind speed may be
relative humidity observed in morning and afternoon were	2-4 km/hr during next five days.
86.3 % and 64.8 % respectively. The average wind speed	
range was 0.6 – 1.5 km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/ 15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	 Hand weeding should be done to prevent hairy caterpillar and other insect pest. Avoid weeding if it rains.
Blackgram	Vegetative	Hairy caterpillar	 Spray Carbendazim @ 0.5g / lit of water. Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	<u> </u>		
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







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Name of the a	riences	Growth stage	Disease/ infestation	Agro-meteorological advisories	
		8		Agro-meteorologicar advisories	
- Provide cle	ean drinl	akage in sheds of birds king water to birds and to reduce flies and mos	animals. Avoid water	logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
		groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1 st day and 10ml on 2 nd day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goa	at	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O_2) tab twice daily for 5 days.	
		required)	Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buff	falo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	t band r	ings around the por	nd using happa/ plast	tic nets to avoid escape of fish due to rain.	
Type of Farming	Stage		Agro-metrological advisor	-	
Carp/	Grow	-	- Ponds should be free	from unwanted vegetation and insects and water depth should be	
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurse		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
				ortified with vitamins and minerals should be provided.	
				4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	
Dedda	Wata			ngs/ha can be stocked. Sampling of fish should be done by regular netting.	
Paddy cum fish culture				ter depth of the trenches in paddy field. Provide rice bran and mustard oil entary feed. Avoid insecticide/pesticide application.	

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

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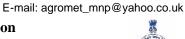
MANIPUR BULLETIN 16th September, 2014

Imphal-West

Significant past weather for the preceding bi-weekly of Imphal - West (12 th to 15 th September, 2014)	<u>Weather forecast</u> for next five days of Imphal-West $(17^{th} \text{ to } 21^{st} \text{ September}, 2014)$
During past four days sky was partly cloudy to mainly cloudy but cloudy during afternoon hours of 9 th September. No rainfall was recorded during past four days. Maximum temperature range observed was $31.2 - 32.4$ °C, range of minimum temperature observed was $20.6 - 22.6$ °C, mean relative humidity observed in morning and afternoon were 86.3 % and 64.8 % respectively. The average wind speed range was $0.6 - 1.5$ km/hr.	& 97 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/ 15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	 Hand weeding should be done to prevent hairy caterpillar and other insect pest. Avoid weeding if it rains. Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Vegetative	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	<u> </u>		
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







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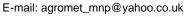
Name of the a	riences	Growth stage	Disease/ infestation	Agro-meteorological advisories	
		8		Agro-meteorologicar advisories	
- Provide cle	ean drinl	akage in sheds of birds king water to birds and to reduce flies and mos	animals. Avoid water	logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
		groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1 st day and 10ml on 2 nd day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goa	at	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O_2) tab twice daily for 5 days.	
		required)	Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buff	falo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	t band r	ings around the por	nd using happa/ plast	tic nets to avoid escape of fish due to rain.	
Type of Farming	Stage		Agro-metrological advisor	-	
Carp/	Grow	-	- Ponds should be free	from unwanted vegetation and insects and water depth should be	
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurse		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
				ortified with vitamins and minerals should be provided.	
				4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	
Dedda	Wata			ngs/ha can be stocked. Sampling of fish should be done by regular netting.	
Paddy cum fish culture				ter depth of the trenches in paddy field. Provide rice bran and mustard oil entary feed. Avoid insecticide/pesticide application.	

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

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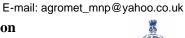
MANIPUR BULLETIN 16th September, 2014

Senapati

Significant past weather for the preceding bi-weekly of	<u>Weather forecast</u> for next five days of Senapati
Imphal - West (12 th to 15 th September, 2014)	(17^{th} to 21^{st} September, 2014)
During past four days sky was partly cloudy to mainly cloudy but cloudy during afternoon hours of 9 th September. No rainfall was recorded during past four days. Maximum temperature range observed was $31.2 - 32.4$ °C, range of minimum temperature observed was $20.6 - 22.6$ °C, mean relative humidity observed in morning and afternoon were 86.3 % and 64.8 % respectively. The average wind speed range was $0.6 - 1.5$ km/hr.	& 99 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops]		
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/ 15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	Hand weeding should be done to prevent hairy caterpillar and other insect pest.Avoid weeding if it rains.
Blackgram	Vegetative	Hairy caterpillar	 Spray Carbendazim @ 0.5g / lit of water. Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.





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Name of the an	imal	Growth stage	Disease/ infestation	Agro-meteorological advisories	
		kage in sheds of birds			
 Provide clea Take up mea 	n drink asures to	o reduce flies and mos	equitoes population in a	logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
	groups (as and when required)		Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goat	ţ	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	required)		Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buffa	lo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	band ri	ngs around the por	nd using happa/ plast	tic nets to avoid escape of fish due to rain.	
Type of Farming	Stage	•	Agro-metrological advisor	-	
Carp/	Grow			from unwanted vegetation and insects and water depth should be	
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurser		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
			- Well balanced feed fortified with vitamins and minerals should be provided.		
			- Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.		
Doddy	Watar			ngs/ha can be stocked. Sampling of fish should be done by regular netting. ter depth of the trenches in paddy field. Provide rice bran and mustard oil	
Paddy cum fish	water			entary feed. Avoid insecticide/pesticide application.	
culture					

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

E-mail: agromet_mnp@yahoo.co.uk



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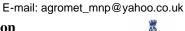
MANIPUR BULLETIN 16th September, 2014

Tamenglong

Significant past weather for the preceding bi-weekly of $I_{ab} = 1.1 \text{ W}_{ab} + 15^{\text{th}} \text{ S}_{ab} + 10^{\text{th}} \text{ C}_{ab} + 2014$	Weather forecast for next five days of Tamenglong $(17^{th} + 21^{st} \text{ S}_{-1} + 2014)$
Imphal - West (12 th to 15 th September, 2014)	$(17^{\text{th}} \text{ to } 21^{\text{st}} \text{ September, } 2014)$
During past four days sky was partly cloudy to mainly cloudy	There may be moderate to heavy rains upto Sunday. Sky
but cloudy during afternoon hours of 9 th September. No	may be partly cloudy to cloudy with maximum temp. of
rainfall was recorded during past four days. Maximum	31.0 – 33.0 °C & minimum temp. 21.0 - 22.0 °C. Relative
temperature range observed was 31.2 - 32.4 °C, range of	humidity may reach a maximum of 100 % (maximum RH)
minimum temperature observed was 20.6 - 22.6 °C, mean	& 94 % (minimum RH). The average wind speed may be
relative humidity observed in morning and afternoon were	2-3 km/hr during next five days.
86.3 % and 64.8 % respectively. The average wind speed	
range was 0.6 – 1.5 km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	J		
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	 Hand weeding should be done to prevent hairy caterpillar and other insect pest. Avoid weeding if it rains. Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Vegetative	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops]		
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







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Name of the an	imal	Growth stage	Disease/ infestation	Agro-meteorological advisories	
		kage in sheds of birds			
				logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
	groups (as and when required)		Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goat		Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	required)		Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buffa	lo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		lequiled)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	band ri	ngs around the por	nd using happa/ plast	ic nets to avoid escape of fish due to rain.	
Type of Farming	Stage	Management	Agro-metrological advisor	ies	
Carp/	Grow		- Ponds should be free	from unwanted vegetation and insects and water depth should be	
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurser		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
			- Well balanced feed fortified with vitamins and minerals should be provided.		
				4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. ngs/ha can be stocked. Sampling of fish should be done by regular netting.	
Paddy	Water				
cum fish	Water management		- Maintained 1.0 m water depth of the trenches in paddy field. Provide rice bran and mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide application.		

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

HIDDRE 241

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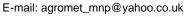
MANIPUR BULLETIN 16th September, 2014

Thoubal

Significant past weather for the preceding bi-weekly of	<u>Weather forecast for next five days of Thoubal</u>
Imphal - West (12 th to 15 th September, 2014)	(17^{th} to 21^{st} September, 2014)
During past four days sky was partly cloudy to mainly cloudy but cloudy during afternoon hours of 9 th September. No rainfall was recorded during past four days. Maximum temperature range observed was $31.2 - 32.4$ °C, range of minimum temperature observed was $20.6 - 22.6$ °C, mean relative humidity observed in morning and afternoon were 86.3 % and 64.8 % respectively. The average wind speed range was $0.6 - 1.5$ km/hr.	There may be moderate to heavy rains upto Sunday. Sky may be partly cloudy to cloudy with maximum temp. of $30.0 - 32.0$ °C & minimum temp. $20.0 - 21.0$ °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 99 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/ 15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	Hand weeding should be done to prevent hairy caterpillar and other insect pest.Avoid weeding if it rains.
Blackgram	Vegetative	Hairy caterpillar	 Spray Carbendazim @ 0.5g / lit of water. Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops]		
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







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Animal Sc Name of the a		Growth stage	Disease/ infestation	Agro-meteorological advisories	
		8		Agi o-meteor ologicar advisories	
- Provide cle	an drinl	akage in sheds of birds king water to birds and to reduce flies and mos	animals. Avoid water	logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
		groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goa	nt	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O_2) tab twice daily for 5 days.	
	required)		Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buff	falo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construc	t band r	ings around the por	nd using happa/ plast	ic nets to avoid escape of fish due to rain.	
Type of Farming	Stage		Agro-metrological advisor	-	
Carp/	Grow	/ ·	- Ponds should be free	from unwanted vegetation and insects and water depth should be	
Catfish	out/		maintained at 1.0-1.5m.		
culture	nurse		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
			- Well balanced feed fortified with vitamins and minerals should be provided.		
				4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. ngs/ha can be stocked. Sampling of fish should be done by regular netting.	
Doddy	Wata			ter depth of the trenches in paddy field. Provide rice bran and mustard oil	
Paddy cum fish culture				entary feed. Avoid insecticide/pesticide application.	

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

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MANIPUR BULLETIN 16th September, 2014

Ukhrul

Significant past weather for the preceding bi-weekly of Imphal - West (12 th to 15 th September 2014)	Weather forecast for next five days of Ukhrul (17 th to 21 st Sentember 2014)
Imphal - West (12^{th} to 15^{th} September, 2014) During past four days sky was partly cloudy to mainly cloudy but cloudy during afternoon hours of 9^{th} September. No rainfall was recorded during past four days. Maximum temperature range observed was $31.2 - 32.4$ °C, range of minimum temperature observed was $20.6 - 22.6$ °C, mean relative humidity observed in morning and afternoon were 86.3 % and 64.8 % respectively. The average wind speed	may be partly cloudy to cloudy with maximum temp. of 28.0 – 30.0 °C & minimum temp. 17.0 - 19.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 98 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops]		
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation		Hand weeding should be done to prevent hairy caterpillar and other insect pest.Avoid weeding if it rains.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Vegetative	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops		-	
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.





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Name of the a	nimal	Growth stage	Disease/ infestation	Agro-meteorological advisories	
- Check for v	water lea	akage in sheds of birds	and animals.		
- Provide cle	an drink	king water to birds and	animals. Avoid water	logging around the sheds as it may help in mosquito breeding.	
	easures t			nd around the birds/ animals sheds.	
gro		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
		groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.	
			Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).	
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goa	ıt	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	required)		Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
				Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.	
Cattle / Buff	alo/	Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	band r	ings around the por	nd using happa/ plast	ic nets to avoid escape of fish due to rain.	
Type of Farming	Stage		Agro-metrological advisor		
Carp/	Grow	·	- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/		maintained at 1.0-1.5m		
culture	nurse		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
			- Well balanced feed fortified with vitamins and minerals should be provided.		
			- Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. - 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting.		
Paddy cum fish	Water management		- Maintained 1.0 m wa	ter depth of the trenches in paddy field. Provide rice bran and mustard oil entary feed. Avoid insecticide/pesticide application.	

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.

HIGHE 241

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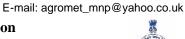
MANIPUR BULLETIN 16th September, 2014

Bishnupur

Significant past weather for the preceding bi-weekly of	<u>Weather forecast</u> for next five days of Bishnupur
Imphal - West (12 th to 15 th September, 2014)	(17^{th} to 21^{st} September, 2014)
During past four days sky was partly cloudy to mainly cloudy but cloudy during afternoon hours of 9 th September. No rainfall was recorded during past four days. Maximum temperature range observed was $31.2 - 32.4$ °C, range of minimum temperature observed was $20.6 - 22.6$ °C, mean relative humidity observed in morning and afternoon were 86.3 % and 64.8 % respectively. The average wind speed range was $0.6 - 1.5$ km/hr.	There may be moderate to heavy rains upto Sunday. Sky may be partly cloudy to cloudy with maximum temp. of $31.0 - 32.0$ °C & minimum temp. $21.0 - 22.0$ °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 96 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Flowering/ dough stage		 Drain out excess water, if accumulated due to rain. Maintain water level of 5-8cm. Regular monitoring of pest and disease infestation is essential.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Leaf folder, plant hopper	Spray Coragen @ 3ml/15 lit of water or Lambdacyhothrin @ 15ml/ 15 litre of water (at least three pumps per sangam).
Soybean	Pod formation	- Rust - Hairy caterpillar	 Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water. Weeding may be done to avoid hairy caterpillar. Avoid weeding if it rains.
Groundnut	Pod formation	Tikka disease	 Hand weeding should be done to prevent hairy caterpillar and other insect pest. Avoid weeding if it rains. Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Vegetative	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops]		
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Garden pea/ French bean	Land preparation to sowing		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and raised beds had been prepared.
Onion/ Tomato	Nursery		- Raise nurseries of onion & tomato under polyhouses.
Cabbage/ Cauliflower/ Broccoli	Nursery		 Nursery raising may be done. Sterilize nursery bed soil. Soil fumigation/ soil solarization may be done for both weeds and soil microbes. For this chemical or bioagents may be used as per choice. Mix seeds with soil for better distribution of seeds while broadcasting and maintain a spacing of 2 inches between rows.







"Integrated Agromet Advisory Services"

Name of the a	nimal	Growth stage	Disease/ infestation	Agro-meteorological advisories	
		akage in sheds of birds		logging around the sheds as it may help in mosquito breeding.	
- Take up me	an urin easures t	to reduce flies and mos	equitoes population in a	nd around the birds/ animals sheds.	
Poultry		All susceptible age	Ranikhet disease	Vaccinate against Ranikhet disease.	
	groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.		
		Deworming	Give Piperazine liquid @ 40ml for 100 adult birds (30ml on 1^{st} day and 10ml on 2^{nd} day).		
			Parasites (external)	Spray Butox liquid @ 2 ml/ lit of water twice a week.	
Sheep/ Goa	t	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid.	
age		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
	required)	Deworming	- Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once.		
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
			Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.		
Cattle / Buffalo/		Above 3 months of	Skin infection	Apply Himax ointment on the affected portion two times daily.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		icquircu)	Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Fishery:					
* construct	band r	ings around the por	nd using happa/ plast	ic nets to avoid escape of fish due to rain.	
Type of Farming	Stage	Management	Agro-metrological advisories		
Carp/	Grow		- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/		maintained at 1.0-1.5m.		
culture nurse				rided 2-3 times a day @ 5-10% body weight per day.	
				ortified with vitamins and minerals should be provided.	
			 Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Paddy	Wate				
cum fish culture	h		cake (1:1) as supplementary feed. Avoid insecticide/pesticide application.		

SMS:

Lakliba Nongmaijing faoba nong khara yamna chuba yai. Loubukta eeshing ahenba tungsindanaba eram-nala enthina semjinbiyu. Phougi loubukta 5-8 cm luna eeshing thambiyu. Sha-Uchekta til hidak thadokpiyu.