

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

"Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Tamenglong

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Tamenglong (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 28-29 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 93 % (max) and 43 % (min). The average wind speed may be 2-3 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		1 est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
rie-kliai ii Kice	Tillering			due to rains.
Rabi Maize	Elemenine			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
Kabi Maize	Flowering			
				Thinning may be done. Maintain single plant per hill. Avoid water logging in
G 1 / G 1 /	T 1	• ,		the crop field.
Soybean/ Groundnut				- Land preparation for sowing soybean/ groundnut may be started.
	Seed collectio	n		- Procure quality seed suitable to the site from reliable source.
				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing
				thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
				at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
			Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion and		- 1 repare failed for planting colocasia/ allocasia/ ginger/ termene.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	Truiting		Truit Hy/ beetic	- Osc Wednyi Euginoi as trap & 4-10 traps/ sangam.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
				<del>-</del>
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
n'.	age groups Above 3	Ci I	7	Vititi
Pig		Swine F		- Vaccinate against swine fever after the age of 3 months.
Q	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried
				out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> </ul>
(Common carp &				<ul> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
		•		After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.
				J



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### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Tengnoupal

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

## Weather forecast for Tengnoupal (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 29-34 °C & mini. temp. 19-20 °C. Relative humidity may reach upto 85 % (max) and 40 % (min). The average wind speed may be 4-6 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat			- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparat Seed collectio			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparate planting	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Thoubal

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto 10<sup>th</sup> then mainly clear to partly cloudy. Early morning hours were foggy on 9<sup>th</sup> and 10<sup>th</sup>. Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Thoubal (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 14-15 °C. Relative humidity may reach upto 91 % (max) and 43 % (min). The average wind speed may be 4 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	ion		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
				due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
				Thinning may be done. Maintain single plant per hill. Avoid water logging in
				the crop field.
Soybean/ Groundnut				- Land preparation for sowing soybean/ groundnut may be started.
	Seed collectio	n		- Procure quality seed suitable to the site from reliable source.
				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
D1 1	- ·			weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing
Detete	Cu		DI I II (D'	thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				ventuated. Do not pile up potato bags too nign.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
Cucuibits	Vegetative		Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		Beetie	- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
Cimi capsicam	runsery			litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting			
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			
Pig	Above 3	Swine F		- Vaccinate against swine fever after the age of 3 months.
	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fev		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried
				out strictly. Due care need to be taken to prevent spread of disease caused by
Eigh own				flies/ mosquitoes/ ticks, etc.
Fishery Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &		Police		<ul> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
grass carp)				carbon dioxide –nil.
G 1./				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
				After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.



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### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Ukhrul

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto 10<sup>th</sup> then mainly clear to partly cloudy. Early morning hours were foggy on 9<sup>th</sup> and 10<sup>th</sup>. Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

## Weather forecast for Ukhrul (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

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Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 28-29 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 82 % (max) and 38 % (min). The average wind speed may be 3-4 km/hr.

Field Crons				
Field Crops Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		r est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
	· ·			due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparat Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparat	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	1 2 2 3 3 3 3 3		Technic copy econor	
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	t disease	Vaccinate birds against Ranikhet disease.
Duck)				Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Ampronum powder in 1 inte of drinking water for 3-7 days.
Pig Pig	-	Coccidio Swine F		- Vaccinate against swine fever after the age of 3 months.
	age groups	Swine F		
	age groups Above 3	Swine F	ever	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> </ul>
Pig	age groups Above 3 months of age	Swine F Coccidia B.Q./ H	ever al infection S./ F.M.D.	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> </ul>
Pig	age groups Above 3 months of age Above 3	Swine F	ever al infection .S./ F.M.D.	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.
Pig	age groups Above 3 months of age Above 3	Swine F Coccidia B.Q./ H Deworn Milk fev	ever al infection S./ F.M.D. ning ver	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
Pig Cattle	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage	ever al infection S./ F.M.D. ning ver ment	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.
Pig	age groups Above 3 months of age Above 3	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn	ever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.
Pig Cattle	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage	ever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried
Pig Cattle	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn	ever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by
Pig Cattle Sheep/Goat Fishery	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fey Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried
Pig  Cattle  Sheep/Goat  Fishery Type of Farming	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn	ever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fey Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.  Agro-metrological advisories  Pond should be free from insects, predators, aquatic weeds etc.
Pig  Cattle  Sheep/Goat  Fishery Type of Farming	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> <li>Water depth should be maintained at 1.0m</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals  Stage Breeding	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	ever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>



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

#### "Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal West

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

### Weather forecast for Patsoi (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with average max. temp. 31.1 °C & mini. temp. 19.2 °C. The average relative humidity of 88.6 % (max) and 37.0 % (min). The average wind speed may be 6.6 km/hr.

Block: Patsoi

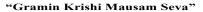
Date of issue: 12th April, 2019

Field Crops	1			
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	ion		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			<ul> <li>Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.</li> </ul>
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparat Seed collectio			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply $10 - 13$ t/ha or $2.5 - 3$ t/sangam of FYM or compost by mixing thoroughly in the soil $1 - 2$ weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting			
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
8	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fev	C	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep/Gode	Tir unimus	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> </ul>
(Common carp &				■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
				After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.



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





### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal West

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)

**7.7 mm** rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from  $20.7-30.5~^{\circ}\text{C}$  and minimum of  $12.1-12.6~^{\circ}\text{C}$ . Mean relative humidity of  $87.7~^{\circ}$  max &  $57.7~^{\circ}$  min was recorded in the past three days & average wind speed was 2.9-4.1~km/hr.

## Weather forecast for Wangoi (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with average max. temp. 31.0  $^{\circ}\text{C}$  & mini. temp. 19.1  $^{\circ}\text{C}$ . The average relative humidity of 88.0 % (max) and 36.0 % (min). The average wind speed may be 6.0 km/hr.

Block: Wangoi

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		1 est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
rie-kliaili kice	Tillering			due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
Kabi Maize	Flowering			Thinning may be done. Maintain single plant per hill. Avoid water logging in
				the crop field.
Soybean/ Groundnut	Land preparat	ion/		- Land preparation for sowing soybean/ groundnut may be started.
Soybean/ Grounding	Seed collectio			- Procure quality seed suitable to the site from reliable source.
	Seed concetto	11		- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing
Diackgrain	Land preparat	1011		thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
1 otato	Storage		Diack Heart Disease	at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				ventuated. Do not pile up potato oags too nign.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
Cucuibits	Vegetative		Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		Dectie	- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
Cinii/ capsicum	runscry			litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion and		- 1 repare faild for planting colocasta/ alocasta/ ginger/ turnienc.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	Truiting		Truit Hy/ beetic	- Osc Methyl Eughlof as trap & 4-10 traps/ sangam.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible			<del>-</del>
Duck)	age groups	Coccidi	OS1S	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	Rever	- Vaccinate against swine fever after the age of 3 months.
1 lg	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
Cattle	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
	months of age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Classes/Cook	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep/Goat	All allillais	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be carried
		Manage	ment	out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				mes/ mosquitoes/ tieks, etc.
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &		F		Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
		•		After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.



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

"Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal West

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Haorangsabal (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

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Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with average max. temp. 31.1 °C & mini. temp. 19.3 °C. The average relative humidity of 88.6 % (max) and 37.0 % (min). The average wind speed may be 6.6 km/hr.

Date of issue: 12<sup>th</sup> April, 2019

Block: Haorangsabal

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	ion		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparat Seed collectio			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	
Horticulture Crops				Tentilated. Do not pile up potato ougs too mgm.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
Cucui bits	, egetative		Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		Beene	- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
Cimi, cupsicum	1 (disei)			litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion una		Tropare land for planting colocusta allocasta ginger, turniorie.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	<u> </u>		<u> </u>	
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fev		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
				Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
		Management		- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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

"Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal West

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)

7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

## Weather forecast for Hiyangthang (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

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Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with average max. temp. 31.0 °C & mini. temp. 19.2 °C. The average relative humidity of 88.8 % (max) and 36.6 % (min). The average wind speed may be 6.2 km/hr.

Block: Hiyangthang

Date of issue: 12th April, 2019

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		1 est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
rie-kliaili kice	Tillering			due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
Kabi Maize	Flowering			Thinning may be done. Maintain single plant per hill. Avoid water logging in
				the crop field.
Soybean/ Groundnut	Land preparat	ion/		- Land preparation for sowing soybean/ groundnut may be started.
Soybean/ Grounding	Seed collectio			- Procure quality seed suitable to the site from reliable source.
	Seed concetto	11		- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing
Diackgrain	Land preparat	1011		thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
1 otato	Storage		Diack Heart Disease	at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				ventuated. Do not pile up potato oags too nign.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
Cucuibits	Vegetative		Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		Dectie	- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
Cinii/ capsicum	runscry			litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion and		- 1 repare faild for planting colocasta/ alocasta/ ginger/ turnienc.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	Truiting		Truit Hy/ beetic	- Osc Methyl Eughlof as trap & 4-10 traps/ sangam.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible			<del>-</del>
Duck)	age groups	Coccidi	OS1S	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	Rever	- Vaccinate against swine fever after the age of 3 months.
1 lg	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
Cattle	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
	months of age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Classes/Cook	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep/Goat	All allillais	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be carried
		Manage	ment	out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				mes/ mosquitoes/ tieks, etc.
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &		F		Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
		•		After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.



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

"Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Bishnupur

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Bishnupur (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

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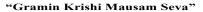
Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 14-15 °C. Relative humidity may reach upto 95 % (max) and 39 % (min). The average wind speed may be 0-2 km/hr.

Field Crops	G:		D 4 3 3	
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	ion		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
				due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
				Thinning may be done. Maintain single plant per hill. Avoid water logging in
				the crop field.
Soybean/ Groundnut				- Land preparation for sowing soybean/ groundnut may be started.
	Seed collectio	n		- Procure quality seed suitable to the site from reliable source.
				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing
				thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
				at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
			Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and			- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting			
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn	ning	Give Albendazole @30 ml per 100kg body weight.
		Milk fev	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage	ment	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
•		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried
				out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &				■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
				After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.
	<u></u>			



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### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Chandel

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto 10<sup>th</sup> then mainly clear to partly cloudy. Early morning hours were foggy on 9<sup>th</sup> and 10<sup>th</sup>. Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Chandel (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 14-15 °C. Relative humidity may reach upto 86 % (max) and 40 % (min). The average wind speed may be 3-4 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		1 est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
rie-kliai ii Kice	Tillering			due to rains.
Rabi Maize	Elemenine			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
Kabi Maize	Flowering			
				Thinning may be done. Maintain single plant per hill. Avoid water logging in
G 1 / G 1 /	T 1	• ,		the crop field.
Soybean/ Groundnut				- Land preparation for sowing soybean/ groundnut may be started.
	Seed collectio	n		- Procure quality seed suitable to the site from reliable source.
				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing
				thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
				at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
			Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion and		- 1 repare failed for planting colocasia/ allocasia/ ginger/ termene.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	Truiting		Truit Hy/ beetic	- Osc Wednyi Euginoi as trap & 4-10 traps/ sangam.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
				<del>-</del>
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
n'.	age groups Above 3	Ci I	7	Vititi
Pig		Swine F		- Vaccinate against swine fever after the age of 3 months.
Q	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried
				out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> </ul>
(Common carp &				<ul> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
		•		After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.
				J



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"Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Churachandpur

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Churachandpur (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 14-15 °C. Relative humidity may reach upto 92 % (max) and 46 % (min). The average wind speed may be 3 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		1 est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
rie-kliai ii Kice	Tillering			due to rains.
Rabi Maize	Elemenine			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
Kabi Maize	Flowering			
				Thinning may be done. Maintain single plant per hill. Avoid water logging in
G 1 / G 1 /	T 1	• ,		the crop field.
Soybean/ Groundnut				- Land preparation for sowing soybean/ groundnut may be started.
	Seed collectio	n		- Procure quality seed suitable to the site from reliable source.
				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 - 13 t/ha or 2.5 - 3 t/sangam of FYM or compost by mixing
				thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
				at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
			Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion and		- 1 repare failed for planting colocasia/ allocasia/ ginger/ termene.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	Truiting		Truit Hy/ beetic	- Osc Wednyi Euginoi as trap & 4-10 traps/ sangam.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
				<del>-</del>
Duck)	susceptible	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
n'.	age groups Above 3	Ci I	7	Vititi
Pig		Swine F		- Vaccinate against swine fever after the age of 3 months.
Q	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried
				out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> </ul>
(Common carp &				<ul> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
grass carp)				carbon dioxide –nil.
				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
		•		After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.
				J



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"Gramin Krishi Mausam Seva"



### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal East

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

## Weather forecast for Imphal East (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 14-15 °C. Relative humidity may reach upto 86 % (max) and 36 % (min). The average wind speed may be 2-3 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	ion		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparat Seed collectio			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	
Horticulture Crops				The second of th
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
			Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting			Tropule land for planting corocasta anocasta ginger, carmeries
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn	ning	Give Albendazole @30 ml per 100kg body weight.
		Milk fev	/er	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage	ment	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
•		Management		- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery		ı		
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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"Gramin Krishi Mausam Seva"

### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal West

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Imphal West (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 14-15 °C. Relative humidity may reach upto 94 % (max) and 38 % (min). The average wind speed may be 2-4 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	ion		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	
Horticulture Crops				The second of th
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
			Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting			Tropule land for planting corocasta anocasta ginger, carmeries
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F		- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn	ning	Give Albendazole @30 ml per 100kg body weight.
		Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage	ment	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming		Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery		ı		
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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"Gramin Krishi Mausam Seva"

### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Jiribam

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto 10<sup>th</sup> then mainly clear to partly cloudy. Early morning hours were foggy on 9<sup>th</sup> and 10<sup>th</sup>. Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Jiribam (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-33 °C & mini. temp. 19-21 °C. Relative humidity may reach upto 94 % (max) and 38 % (min). The average wind speed may be 2-4 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		1 est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
110-Kilai ii Kice	Tillering			due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha.
Kabi Maize	Kabi Maize Tioweinig			Thinning may be done. Maintain single plant per hill. Avoid water logging in
				the crop field.
Soybean/ Groundnut	Land preparat	ion/		- Land preparation for sowing soybean/ groundnut may be started.
Soybean/ Groundhut		eed collection		- Procure quality seed suitable to the site from reliable source.
	Seed collection			- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2
				weeks before sowing.
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing
Diackgrain	Land preparat	1011		thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit
1 otato	Storage		Diack Heart Disease	at high temperature (above 32 °C). The storage rooms should be well
				ventilated. Do not pile up potato bags too high.
Horticulture Crops				ventuated. Do not pile up potato bags too nign.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or
Cucui bits	Vegetative		Beetle	Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		Dectie	- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
Cilii/ Capsiculii	runscry			litre of water after rains to control the fungal attack.
				- Transplant nursery in raised beds. Avoid water logging in the crop field.
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat			- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting	ion and		- 1 repare faild for planting colocasta/ alocasta/ ginger/ turnienc.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	Truiting		Truit Hy/ beetic	- Osc Methyl Eughlof as trap & 4-10 traps/ sangam.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		_	Vaccinate birds against Ranikhet disease.
Duck)	susceptible			<del>-</del>
Duck)	age groups	Coccidi	OS1S	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	Rever	- Vaccinate against swine fever after the age of 3 months.
1 1g	months of age		al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
Cattle	months of age			Give Albendazole @30 ml per 100kg body weight.
	months of age			Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
				Napier/ Guinea grass may be planted as fodder crop.
Classe /Cast	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep/Goat	All allillais			
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by
				flies/ mosquitoes/ ticks, etc.
Fishery				mes/ mosquitoes/ tieks, etc.
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture	Breeding	pond		Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &		F		Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,
grass carp)				carbon dioxide –nil.
S 1./				■ Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish
				for breeding in both the brooders of common carp and grass carp.
	Nurseries	ponds		Water depth should be maintained at 1.0m
	-	1		After liming nursery ponds should be fertilized prior 15 days of spawn stocking.
				Feeding should be done 2-3 times a day @5-10% body weight/day.



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### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Kakching

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Kakching (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 29-35 °C & mini. temp. 18-21 °C. Relative humidity may reach upto 91 % (max) and 43 % (min). The average wind speed may be 4 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat			- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparate planting	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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## **MANIPUR AGROMET ADVISORY BULLETIN**

District: Kamjong

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Kamjong (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-35 °C & mini. temp. 18-20 °C. Relative humidity may reach upto 92 % (max) and 39 % (min). The average wind speed may be 2-3 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat			- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparate planting	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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"Gramin Krishi Mausam Seva"

### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Kangpokpi

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

## Weather forecast for Kangpokpi (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

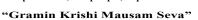
Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-35 °C & mini. temp. 18-20 °C. Relative humidity may reach upto 86 % (max) and 36 % (min). The average wind speed may be 2-3 km/hr.

Field Crops			T	
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat	10 <b>n</b>		- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply $10 - 13$ t/ha or $2.5 - 3$ t/sangam of FYM or compost by mixing thoroughly in the soil $1 - 2$ weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/	Land preparat	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
ginger/ turmeric	planting			
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences		1		
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				mosquitoes tiens, etc.
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp &	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
grass carp)		ponds		<ul> <li>carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries			Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.
				recaing should be done 2-3 times a day @3-10% body weight/day.



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## **MANIPUR AGROMET ADVISORY BULLETIN**

District: Noney

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto 10<sup>th</sup> then mainly clear to partly cloudy. Early morning hours were foggy on 9<sup>th</sup> and 10<sup>th</sup>. Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Noney (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 31-34 °C & mini. temp. 19-21 °C. Relative humidity may reach upto 93 % (max) and 41 % (min). The average wind speed may be 2-4 km/hr.

Date of issue: 12th April, 2019

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat			- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparate planting	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
		Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn	ning	Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				
Type of Farming	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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"Gramin Krishi Mausam Seva"

### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Pherzwal

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto 10<sup>th</sup> then mainly clear to partly cloudy. Early morning hours were foggy on 9<sup>th</sup> and 10<sup>th</sup>. Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Pherzwal (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-34 °C & mini. temp. 20-21 °C. Relative humidity may reach upto 94 % (max) and 50 % (min). The average wind speed may be 2-3 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparati			- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering			- Maintain the water level of 5-8 cm. Drain out excess water if accumulated due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparate	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Potato	Storage		Black Heart Disease	To prevent Black Heart Disease in potatoes, it should not be stored and transit at high temperature (above 32 °C). The storage rooms should be well ventilated. Do not pile up potato bags too high.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparate	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhe	et disease	Vaccinate birds against Ranikhet disease.
· ·	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine F	ever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
	Above 3		.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworn		Give Albendazole @30 ml per 100kg body weight.
				Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
		Manage	ment	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Fishery				
	Stage	Field		Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond		<ul> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
	Nurseries	ponds		Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.



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

"Gramin Krishi Mausam Seva"



## **MANIPUR AGROMET ADVISORY BULLETIN**

District: Senapati

Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> Arpil, 19)
7.7 mm rainfall was observed during the past three days. The skies remained mainly cloudy to overcast upto  $10^{th}$  then mainly clear to partly cloudy. Early morning hours were foggy on  $9^{th}$  and  $10^{th}$ . Maximum temperature ranged from 20.7 - 30.5 °C and minimum of 12.1 - 12.6 °C. Mean relative humidity of 87.7% max & 57.7 % min was recorded in the past three days & average wind speed was 2.9 – 4.1 km/ hr.

# Weather forecast for Senapati (13<sup>th</sup> to 17<sup>th</sup> April, 2019)

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Likely to have rain accompanied with thunderstorms, gusty winds and lightening upto Wednesday then no rains thereafter. The sky will remain partly cloudy to mainly cloudy with max. temp. 28-29 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 90 % (max) and 45 % (min). The average wind speed may be 3 km/hr.

Field Crons				
Field Crops Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparat		r est and disease	- Prepare nursery plot for raising kharif rice nursery.
Pre-kharif Rice	Tillering	1011		- Maintain the water level of 5-8 cm. Drain out excess water if accumulated
				due to rains.
Rabi Maize	Flowering			- Weeding and earthing up may be done after rains and apply Urea @ 66kg/ ha. Thinning may be done. Maintain single plant per hill. Avoid water logging in the crop field.
Soybean/ Groundnut	Land preparation/ Seed collection			<ul> <li>- Land preparation for sowing soybean/ groundnut may be started.</li> <li>- Procure quality seed suitable to the site from reliable source.</li> <li>- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.</li> </ul>
Blackgram	Land preparat	ion		- Apply 10 – 13 t/ha or 2.5 – 3 t/sangam of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative		Red Pumpkin Beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water after rains to control the fungal attack.</li> <li>Transplant nursery in raised beds. Avoid water logging in the crop field.</li> </ul>
Tomato	Flowering and	fruiting		- Inter-culture operations may done. Avoid water logging.
Colocasia/ alocasia/ ginger/ turmeric	Land preparat planting	ion and		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting		Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences	1		To the court	
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikhet disease		Vaccinate birds against Ranikhet disease.
Durols)				Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Ampronum powder in 1 inte of drinking water for 3-7 days.
Pig	_	Coccidio Swine F		- Vaccinate against swine fever after the age of 3 months.
	age groups	Swine F		
	age groups Above 3	Swine F	ever al infection	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> </ul>
Pig	age groups Above 3 months of age	Swine F Coccidia B.Q./ H	Sever al infection .S./ F.M.D.	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.
Pig	age groups Above 3 months of age Above 3	Swine F	Fever al infection .S./ F.M.D. ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.
Pig	age groups Above 3 months of age Above 3	Swine F Coccidia B.Q./ H Deworn Milk fev	Sever al infection .S./ F.M.D. ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
Pig Cattle	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage	Sever al infection .S./ F.M.D. ning /er ment	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.
Pig	age groups Above 3 months of age Above 3	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn	Sever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.
Pig Cattle	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage	Sever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried
Pig Cattle	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn	Sever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by
Pig Cattle Sheep/Goat Fishery	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fey Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried
Pig  Cattle  Sheep/Goat  Fishery Type of Farming	Above 3 months of age Above 3 months of age	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn	Sever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fey Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	- Vaccinate against swine fever after the age of 3 months.  Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.  Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.  Give mineral mixture@ 60g/day in divided dose to the pregnant ones.  Napier/ Guinea grass may be planted as fodder crop.  Give Albendazole @ 25ml/100kg body weight.  - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.  Agro-metrological advisories  Pond should be free from insects, predators, aquatic weeds etc.
Pig  Cattle  Sheep/Goat  Fishery Type of Farming	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm,</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> <li>Water depth should be maintained at 1.0m</li> </ul>
Pig  Cattle  Sheep/Goat  Fishery Type of Farming Carp culture (Common carp &	age groups Above 3 months of age Above 3 months of age All animals  Stage Breeding	Swine F Coccidia B.Q./ H Deworn Milk fev Manage Deworn Manage	Sever al infection S./ F.M.D. ning ver ment ning	<ul> <li>Vaccinate against swine fever after the age of 3 months.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Vaccinate against B.Q./ H.S./ F.M.D.</li> <li>Give Albendazole @30 ml per 100kg body weight.</li> <li>Give mineral mixture@ 60g/day in divided dose to the pregnant ones.</li> <li>Napier/ Guinea grass may be planted as fodder crop.</li> <li>Give Albendazole @ 25ml/100kg body weight.</li> <li>Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.</li> <li>Agro-metrological advisories</li> <li>Pond should be free from insects, predators, aquatic weeds etc.</li> <li>Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil.</li> <li>Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.</li> </ul>