

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Tamenglong***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 Tamenglong (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. 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019**District: Tengnoupal****Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Thoubal***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Ukhrul***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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)**

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 Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (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/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

**Animal Sciences**

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

**Fishery**

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>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.</p>



**MANIPUR AGROMET ADVISORY BULLETIN***District: Imphal West*Date of issue: 12<sup>th</sup> April, 2019*Block: Patsoi***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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.

**MANIPUR AGROMET ADVISORY BULLETIN***District: Imphal West*Date of issue: 12<sup>th</sup> April, 2019*Block: Wangoi***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 °C & mini. temp. 19.1 °C. The average relative humidity of 88.0 % (max) and 36.0 % (min). The average wind speed may be 6.0 km/hr.

**Field Crops**

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- 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	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

**Fishery**

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>

**MANIPUR AGROMET ADVISORY BULLETIN***District: Imphal West*Date of issue: 12<sup>th</sup> April, 2019*Block: Haorangsabal***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 Haorangsabal (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. 19.3 °C. The average relative humidity of 88.6 % (max) and 37.0 % (min). The average wind speed may be 6.6 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>

**MANIPUR AGROMET ADVISORY BULLETIN***District: Imphal West*Date of issue: 12<sup>th</sup> April, 2019*Block: Hiyangthang***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 Hiyangthang (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 °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.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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.



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Bishnupur***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 Bishnupur (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 95 % (max) and 39 % (min). The average wind speed may be 0-2 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Chandel***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Churachandpur***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ alopecia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alopecia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Imphal East***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- 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	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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.



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Imphal West***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Jiribam***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Euginol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Kakching***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alocasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Kamjong***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (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/ alopecia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ alopecia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @ 30 ml per 100kg body weight.
		Milk fever	Give mineral mixture @ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Kangpokpi***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 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			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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 dav @5-10% body weight/dav.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019

District: Noney

**Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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	▪ Pond should be free from insects, predators, aquatic weeds etc. ▪ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, 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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Pherzwal***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifhos (0.05%) may be sprayed after rains.
Chili/ capsicum	Nursery		- In chillies 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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	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 style="list-style-type: none"><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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 12<sup>th</sup> April, 2019*District: Senapati***Past weather for the of Imphal West (9<sup>th</sup> to 11<sup>th</sup> April, 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 Senapati (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. 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 Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Land preparation		- 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		- Land preparation for sowing soybean/ groundnut may be started. - 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 preparation		- 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (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/ aloccasia/ ginger/ turmeric	Land preparation and planting		- Prepare land for planting colocasia/ aloccasia/ ginger/ turmeric.
Mango	Fruiting	Fruit fly/ beetle	- Use Methyl Eugenol as trap @ 4-10 traps/ sangam.

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Ranikhet disease	Vaccinate birds against Ranikhet disease.
		Coccidiosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	Above 3 months of age	B.Q./ H.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.
		Milk fever	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworming	Give Albendazole @ 25ml/100kg body weight.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	<ul style="list-style-type: none"> <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	<p>Water depth should be maintained at 1.0m</p> <p>After liming nursery ponds should be fertilized prior 15 days of spawn stocking.</p> <p>Feeding should be done 2-3 times a day @5-10% body weight/day.</p>