

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018*District: Churachandpur***Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Churachandpur**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 99-100 %. The average wind speed may be 2-4 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries

Carp culture	- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.
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**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018**District: Imphal East****Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Imphal East**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 98 % (max RH) & 95% (min RH). The average wind speed may be 2-6 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries

Carp culture	- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.
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**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018**District: Imphal West****Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Imphal West**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 100 %. The average wind speed may be 2-4 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries

Carp culture	- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.
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**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018*District: Senapati***Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Senapati**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 26-28 °C & minimum temp. 16-23 °C. Relative humidity may reach upto 98-99 %. The average wind speed may be 2-4 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight.
			Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
			Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries

Carp culture	- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.
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(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018**District: Tamenglong****Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Tamenglong**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 26-28 °C & minimum temp. 16-23 °C. Relative humidity may reach upto 99-100 %. The average wind speed may be 2-4 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight.
			Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
			Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018*District: Thoubal***Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/hr.

Weather forecast for next five days of Thoubal**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 98-99 %. The average wind speed may be 3-7 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight.
			Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
			Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018**District: Ukhrul****Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Ukhrul**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 26-28 °C & minimum temp. 16-23 °C. Relative humidity may reach upto 98-100 %. The average wind speed may be 2-3 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries

Carp culture	- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.
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(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018*District: Bishnupur*

Significant past weather for the preceding bi-weekly of Imphal - West (5th to 8th October, 2018) Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6 th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.	Weather forecast for next five days of Bishnupur (10th to 14th October, 2018) Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 99 %. The average wind speed may be 2-6 km/hr.
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Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight.
			Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
			Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th October, 2018*District: Chandel***Significant past weather for the preceding bi-weekly of****Imphal - West (5th to 8th October, 2018)**

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 – 2.7 km/ hr.

Weather forecast for next five days of Chandel**(10th to 14th October, 2018)**

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 98-99 %. The average wind speed may be 2-5 km/hr.

Warning:**Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 2018****General Advisories:**

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity to harvesting stage		- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy rains. Drainage system may be well constructed. - Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection		- Procure quality seeds from reliable source for planting after rains in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative		- Sowing may be done only after the soil attains optimum soil moisture level for sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Potato	Sowing to early vegetative		- Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.
Cole crops	Nursery to transplanting		- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting		- Avoid planting of fruit nursery during rainy days.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries

Carp culture	- Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Encircle fish culture ponds using happa net avoid escape of grow-out fishes.
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