

**MANIPUR AGROMET ADVISORY BULLETIN****District: Imphal East****Date of issue: 25th September, 2018****Period: 26th to 30th September, 2018**

Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018) Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21 st and 24 th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/ hr.	Weather forecast for next five days of Imphal East (26th to 30th September, 2018) Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 32-35 °C & minimum temp. 22-23 °C. Relative humidity may reach upto 98 % (max RH) & 61 % (min RH). The average wind speed may be 2-4 km/hr.
Warning: 26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur	
General Advisories: * Harvest mature crops before rains. * Sprays may be given as there is likely to have no rains during next five days. * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery. * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water. * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.	Standardized precipitation outlook using ERF: * SPI condition from 20 th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbicidine @ 2-5ml/lit water.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.
Fisheries			
Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.		

(I. Meghachandra Singh)



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Nodal Officer, AMFU- Lamphelpat

**MANIPUR AGROMET ADVISORY BULLETIN***District: Imphal West*Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Imphal West (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 31-33 °C & minimum temp. 23 °C. Relative humidity may reach upto 95 % (max RH) & 54 % (min RH). The average wind speed may be 2-4 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

- * SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbecidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups except the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension @ 60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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**MANIPUR AGROMET ADVISORY BULLETIN****District: Senapati**Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Senapati (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 29-31 °C & minimum temp. 21-23 °C. Relative humidity may reach upto 99 % (max RH) & 71 % (min RH). The average wind speed may be 2-3 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of cabbage, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbicidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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Nodal Officer, AMFU- Lamphelpat

**MANIPUR AGROMET ADVISORY BULLETIN****District: Tamenglong**Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Tamenglong (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 29-31 °C & minimum temp. 21-23 °C. Relative humidity may reach upto 98 % (max RH) & 69 % (min RH). The average wind speed may be 2 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbecidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups except the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension @ 60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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**MANIPUR AGROMET ADVISORY BULLETIN***District: Thoubal*Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Thoubal (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 32-35 °C & minimum temp. 22-23 °C. Relative humidity may reach upto 99 % (max RH) & 76 % (min RH). The average wind speed may be 3-4 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbecidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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**MANIPUR AGROMET ADVISORY BULLETIN****District: Ukhrul**Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Ukhrul (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 29-31 °C & minimum temp. 21-23 °C. Relative humidity may reach upto 95 % (max RH) & 60 % (min RH). The average wind speed may be 3 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of cabbage, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbicidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension @ 60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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(I. Meghachandra Singh)
Nodal Officer, AMFU- Lamphelpat

**MANIPUR AGROMET ADVISORY BULLETIN****District: Bishnupur**Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Bishnupur (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 32-35 °C & minimum temp. 22-23 °C. Relative humidity may reach upto 100 % (max RH) & 63 % (min RH). The average wind speed may be 0-2 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbecidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups except the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension @ 60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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(I. Meghachandra Singh)
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**MANIPUR AGROMET ADVISORY BULLETIN***District: Chandel*Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Chandel (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 31-33 °C & minimum temp. 23 °C. Relative humidity may reach upto 96 % (max RH) & 66 % (min RH). The average wind speed may be 3 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbecidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups excepts the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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**MANIPUR AGROMET ADVISORY BULLETIN****District: Churachandpur**Date of issue: 25th September, 2018Period: 26th to 30th September, 2018**Significant past weather for the preceding bi-weekly of Imphal - West (20th to 24th September, 2018)**

Observed no rainfall with partly cloudy to mainly cloudy sky but overcast sky on 21st and 24th morning. Maximum temperature recorded ranged from 28.0 to 31.4 °C and minimum of 19.7 to 21.5 °C with mean relative humidity 89.2 % max and 66.6 % min was recorded in the past three days & average wind speed was 2.8–4.4 km/hr.

Weather forecast for next five days of Churachandpur (26th to 30th September, 2018)

Likely to have thunderstorm accompanied with lightning at isolated places on Wednesday and mainly cloudy to overcast sky with maximum temp. 31-35 °C & minimum temp. 22-24 °C. Relative humidity may reach upto 99 % (max RH) & 67 % (min RH). The average wind speed may be 2 km/hr.

Warning:**26 September: Thunderstorm accompanied with lightning very likely at isolated places over Manipur****General Advisories:**

- * Harvest mature crops before rains.
- * Sprays may be given as there is likely to have no rains during next five days.
- * Wind breaks may be prepared for young plants of nursery in open fields. Also, prepare temporary rain shelter structures for nursery.
- * Provide clean drinking water for birds and animals especially during monsoon period. Use sanitizer in drinking water.
- * Ensure that the sheds of birds and animals are well constructed so as to avoid damage during high speed wind days.

Standardized precipitation outlook using ERF:

* SPI condition from 20th Sept. to 17 October, 2018 is severely dry to extremely dry, hence irrigation may be provided wherever needed.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity stage		- Maintain water level at 5-8 cm.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant Hoppers or Thrips	Spray Coragen 3-5 ml per 15 lit of water at the early stage of infestation.
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaconazole @ 15ml/ 15 lit of water.
		Smut disease of rice	Kocide @ 5g/15lit water (spray after 2:00 pm only) to the crops in flowering stage after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Maturity to harvesting		Harvest mature crops and sundry properly for better threshing.
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. For grains, store grains in well ventilated godowns after drying properly. Spray Malathion 1% on the walls of stores.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Seed/ planting material collection and land preparation		- Procure good quality seeds of onion, carrot, raddish, coriander, cauliflower, cabbage, broccoli, potato, French bean, pea, broad bean, etc. Prepare land for sowing or planting. - Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Tree bean	Trees above 7yrs age/ Bearing plants		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G / per plant.
Ginger/ Turmeric	Rhizome initiation	Shoot borer	- Spray Nimbecidine @ 2-5ml/lit water.

Animal Sciences

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Deworming	Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day.
Sheep/ Goat	All age groups	Vaccination	If the animals are not vaccinated 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	Management	Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.
			To avoid tick, add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. Vaccinate against FMD.
Cattle	All age groups except the young ones	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
		Deworming	De-worm with Albomac suspension @ 60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Milk fever	Give 100-150ml of mixture calcium and phosphorous daily.

Fisheries

Carp culture	- Provide feed 2 times @ 5 % body weight per day having 30% crude protein fortified with vitamins and mineral. - Sampling of fish for growth, disease should be done regularly by netting.
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