

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019

District: Ukhrul

Past weather for the of Imphal West (26th to 28th November, 2019):

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/hr.

Weather forecast for Ukhrul (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 23-24 °C & mini. temp. 6-8 °C. Relative humidity may reach upto 97 % (max) & 43 % (min). The average wind speed may be 5 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimitazole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti- <i>Psoroptic</i> may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”



Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019*District: Bishnupur***Past weather for the of Imphal West (26th to 28th November, 2019):**

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Bishnupur (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 26-27 °C & mini. temp. 9-11 °C. Relative humidity may reach upto 97 % (max) & 44 % (min). The average wind speed may be 2-3 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.

Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti-Psoroptic may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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“Gramin Krishi Mausam Seva”



Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019*District: Chandel***Past weather for the of Imphal West (26th to 28th November, 2019):**

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Chandel (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 24-25 °C & mini. temp. 7-9 °C. Relative humidity may reach upto 98 % (max) & 53 % (min). The average wind speed may be 2-4 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti-Psoroptic may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019*District: Churachandpur***Past weather for the of Imphal West (26th to 28th November, 2019):**

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Churachandpur (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 25-26 °C & mini. temp. 8-10 °C. Relative humidity may reach upto 97 % (max) & 45 % (min). The average wind speed may be 2-3 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti-Psoroptic may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019*District: Imphal East***Past weather for the of Imphal West (26th to 28th November, 2019):**

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Imphal East (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 25-26 °C & mini. temp. 8-10 °C. Relative humidity may reach upto 92 % (max) & 48 % (min). The average wind speed may be 4-5 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimitazole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti-Psoroptic may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019

District: Imphal West

Past weather for the of Imphal West (26th to 28th November, 2019):

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Imphal West (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 25-26 °C & mini. temp. 8-10 °C. Relative humidity may reach upto 90 % (max) & 47 % (min). The average wind speed may be 5-6 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti- <i>Psoroptic</i> may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”



Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019

District: Senapati

Past weather for the of Imphal West (26th to 28th November, 2019):

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Senapati (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 22-23 °C & mini. temp. 6-7 °C. Relative humidity may reach upto 90 % (max) & 38 % (min). The average wind speed may be 4-5 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti- <i>Psoroptic</i> may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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“Gramin Krishi Mausam Seva”



Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019*District: Tamenglong***Past weather for the of Imphal West (26th to 28th November, 2019):**

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Tamenglong (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 23-24 °C & mini. temp. 6-8 °C. Relative humidity may reach upto 81 % (max) & 35 % (min). The average wind speed may be 4-5 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti-Psoroptic may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 29th November, 2019*District: Thoubal***Past weather for the of Imphal West (26th to 28th November, 2019):**

No rainfall was observed during the past three days. The skies remained foggy during morning hours and clear during afternoon hours. Maximum temperature ranged from 25.0-25.8 °C and minimum of 10.3–10.6 °C. Mean relative humidity of 95.0 % max & 56.3 % min was recorded in the past three days & average wind speed was 1.1–1.3 km/ hr.

Weather forecast for Thoubal (30th Nov to 4th Dec, 2019):

Likely to have no rain upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 26-27 °C & mini. temp. 9-11 °C. Relative humidity may reach upto 93 % (max) & 53 % (min). The average wind speed may be 3-5 km/hr.

General Advisory:

1. Monitor insect pest infestation/ diseases and water requirement of crops in field/ animals/ birds/ fishes regularly.
2. Keep the soil moist throughout the vegetative stage.
3. Sprays of neem oil may be given as prophylactic measures against insect pest infestation.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Field pea	Vegetative		- Avoid plucking of young shoots. Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Lentil	Vegetative		- Thinning may be done where plant population is dense. - Weeding may be done if weed population is high.
Potato	Vegetative		- Weeding may be done if weed population is high.
Rabi Maize	Land preparation		- Land preparation for sowing rabi maize may be done.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Mango	Bearing trees		As the winter is approaching, pruning of dead twigs and branches are very essential followed by manuring and mulching. For bearing trees, about five years old, 425 g, 275 g and 280 g Urea, SSP and MOP respectively along with 8 kg FYM should be applied in the soil near the base of the tree.
Spinach beet (Palak)	Vegetative		- Keep soil moist during vegetative stage. Monitor insect pest regularly. - Weeding may be done. - Light watering may be done during morning hours.
Onion	Vegetative		- Keep soil moist during vegetative stage. Weeding may be done. - Light watering may be done during morning hours.
Broad bean/ Garden Pea/ French bean	Vegetative to flowering and fruiting		- Weeding may be done. - Harvest mature fruits.
Cabbage/ Cauliflower	Transplanting to vegetative		- Weeding may be done if weed population is high. - In cole crop infested by cut worm, mechanically destroy the larvae. If infestation is high then apply Phorate10G @25kg/ha or Metarrhizium anisopliae@5ml/lit water.
Animal Sciences			
* Protect birds and animals from cold.			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Provide artificial heat source especially at night time.
		Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Skin disease	Sprayer of Anti-Psoroptic may be used.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.



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Cattle	Above 3 months of age	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. These cases may be encountered during this period. If observed, immediate treatment using appropriate drugs with the help of Consultant must be advocated to infected animals.
		Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Management	Sheds must be kept dry. Use bedding materials.
Goat	All age groups except three months or below	Vaccination	Vaccinate against B.Q./ H.S. this time. Lambs should be vaccinated against Enterotoxaemia.
		Deworming	Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Shearing for wool	Sheep should be sheared during this month.
Fishery:			
* Harvest rain water to maintain fish pond water.			
Carp culture		- Maintain water level at a depth of 1.0m to 1.5m. Fish stocking may be done in small scale. Feeds should be provided @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.	

(I. Meghachandra Singh)
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