

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Imphal West****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Imphal West (5th to 9th Dec, 2018)

Likely to have no rains upto Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 24-26 °C & minimum temp. 4-7 °C. Relative humidity may reach upto 87 % (max) and 32 % (min). The average wind speed may be 1-3 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Bishnupur****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Bishnupur (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 25.4 °C & minimum temp. 7.2 °C. Relative humidity may reach up to 96 % (max) and 41 % (min). The average wind speed may be 2.5 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Chandel****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Chandel (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 23.6 °C & minimum temp. 6 °C. Relative humidity may reach up to 94 % (max) and 42 % (min). The average wind speed may be 3-4 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Churachandpur****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Churachandpur (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 24.4 °C & minimum temp. 6.2 °C. Relative humidity may reach up to 94 % (max) and 36 % (min). The average wind speed may be 3.2 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Imphal East****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Imphal East (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 24.4 °C & minimum temp. 6.2 °C. Relative humidity may reach up to 94 % (max) and 34 % (min). The average wind speed may be 5.3 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Senapati****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Senapati (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 21.6 °C & minimum temp. 3.8 °C. Relative humidity may reach up to 92 % (max) and 34 % (min). The average wind speed may be 4.1 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Tamenglong****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Tamenglong (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 22.6 °C & minimum temp. 4.8 °C. Relative humidity may reach up to 91 % (max) and 38 % (min). The average wind speed may be 3.5 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Thoubal****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Thoubal (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 25.4 °C & minimum temp. 7.2 °C. Relative humidity may reach up to 96 % (max) and 45 % (min). The average wind speed may be 4 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamisole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 4th December, 2018**District: Ukhrul****Significant past weather for the preceding bi-weekly of Imphal West (27th to 29th Nov, 2018)**

No rainfall observed during the past four days. The sky remained clear for the first two days and variable to overcast in the following two days. Maximum temperature ranged from 23.6-25.1 °C and minimum of 4.6 – 10.6 °C. Mean relative humidity of 86.3% max and 42.0 % min was recorded in the past four days & average wind speed was 1.5 – 2.4 km/ hr.

Weather forecast for Ukhrul (5th to 9th Dec, 2018)

Likely to have no rainfall up to Friday and shallow fog during morning hours over next five days with mainly clear sky at day with maximum temp. 22.8 °C & minimum temp. 4.8 °C. Relative humidity may reach up to 92 % (max) and 35 % (min). The average wind speed may be 4.3 km/hr.

General Advisories:

- * Monitor for insect pest infestation in young plants in nursery plot. Sprays of neem oil may be given as prophylactic measures.
- * Keep the soil moist throughout the vegetative stage.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Vegetative		- Thinning may be done where the plant population is high. If the soil is dry, give light irrigation.
Field pea	Vegetative		- Avoid plucking young shoots. If the soil is dry, give light irrigation.
Lentil	Vegetative		- Monitor for soil moisture status.
Rabi maize	Land preparation to sowing		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses.
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. Avoid fungal growth and pest rodent in store.

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.
Cole Crops	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety		- Apply 108kg Urea+563kg SSP+100kg MOP per hectare and 108 kg Urea after a month of transplanting.
		leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
		Cut Worm	- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Nursery raising to land preparation for transplanting		- Transplant 45-60 days old seedlings at a spacing of 10cm x 20cm. - Moist the bed before transplanting. Cover the seedlings only upto the root portion. Slight watering during and evening is very much necessary for at least 7-10 days till the seedlings get established.
Garden pea	Vegetative		- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.

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.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care and Management	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Vaccination	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Skin diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution
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.
		Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
		Care and Management	Sheds must be kept dry. Use bedding materials

Fisheries	
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 @ 2-3 % body weight 1-2 times per day. Harvesting of fishes may be done. Select healthy fishes to be stocked as brooder.

(I. Meghachandra Singh)
Nodal Officer, GKMS