

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018**District: Bishnupur****Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Bishnupur (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 22-23 °C & minimum temp. 6-8 °C. Relative humidity may reach upto 98 % (max) and 51 % (min). The average wind speed may be 3-6 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018**District: Chandel****Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Chandel (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 20-21 °C & minimum temp. 4-5 °C. Relative humidity may reach upto 92 % (max) and 51 % (min). The average wind speed may be 4-5 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018*District: Churachandpur***Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Churachandpur (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 22-24 °C & minimum temp. 4-5 °C. Relative humidity may reach upto 98 % (max) and 43 % (min). The average wind speed may be 3-5 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018*District: Imphal East***Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Imphal East (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 22-23 °C & minimum temp. 5-7 °C. Relative humidity may reach upto 87 % (max) and 46 % (min). The average wind speed may be 2-5 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018*District: Imphal West***Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Imphal West (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 21-25 °C & minimum temp. 5-7 °C. Relative humidity may reach upto 86 % (max) and 40 % (min). The average wind speed may be 2-4 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018*District: Senapati***Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Senapati (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 19-20 °C & minimum temp. 3-4 °C. Relative humidity may reach upto 92 % (max) and 45 % (min). The average wind speed may be 4-5 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018*District: Tamenglong***Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Tamenglong (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 20-21 °C & minimum temp. 3-4 °C. Relative humidity may reach upto 88 % (max) and 43 % (min). The average wind speed may be 3-5 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018*District: Thoubal***Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Thoubal (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 22-24 °C & minimum temp. 8-9 °C. Relative humidity may reach upto 96 % (max) and 57 % (min). The average wind speed may be 2-4 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 28th December, 2018**District: Ukhrul****Significant past weather for the preceding bi-weekly of Imphal West (25th to 27th Dec, 2018)**

No rainfall was observed during the past three days. The skies remained foggy at foothills during morning hours and mainly clear during afternoon hours. Maximum temperature ranged from 20.9 – 21.7 °C and minimum of 3.5 – 4.8 °C. Mean relative humidity of 86 % max and 36.7 % min was recorded in the past three days & average wind speed was 1.3 – 1.7 km/ hr.

Weather forecast for Ukhrul (29th Dec, 2018 to 2nd Jan, 2019)

Likely to have no rains, dense fog during morning hours at isolated places and mainly clear to partly cloudy sky during next five days with maximum temp. 19-20 °C & minimum temp. 3-4 °C. Relative humidity may reach upto 92 % (max) and 45 % (min). The average wind speed may be 4-5 km/hr.

General Advisories:

- * Regularly check the water requirement in the crop fields may be done.
- * Mulching may be done to conserve soil moisture.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative		- Foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Field pea/ Lentil	Vegetative		- Monitor for moisture level for better growth during vegetative stage.
Potato	Vegetative		- Weeding and earthing up may be done.
Rabi maize	Sowing		- Sowing of rabi maize may be done. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. - Treat seeds with Carbendazim @ 2g/kg before sowing.
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. - Avoid fungal growth and pest rodent in store.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole Crops	Vegetative of late variety	Cut worms	- Apply <i>Chloropyrifos</i> (1.5%) dust @ 25 kg /ha to the cauliflower/ cabbage infested by cut-worms. - Weeding and earthing up may be done.
Onion	Vegetative		- Apply 64kg urea/ sangam after 30-35 days of transplanting. Weeding and earthing up may be done.
Garden pea/ Broad bean	Vegetative	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Cucurbits	Nursery bed preparation		- Preparation for raising cucurbits seedlings under low-cost poly house may be started.
Tomato	Vegetative		- Weeding and earthing up may be done.

Animal Sciences

* Arrange for external heat source during night and early morning hours.

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.
		Care and Management	Protect animals/ birds from sudden drop in temperature. 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.
Pig	All age groups except the young ones	Deworming	Albendazole Plus Avermectin Table 6 mg/adult.
		Coccidial infection	Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	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.

(I. Meghachandra Singh)
Nodal Officer, GKMS