

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 24th December, 2018**District: Bishnupur****Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Bishnupur (25th to 29th Dec., 2018)

Likely to have no rains, dense fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 23-25 °C & minimum temp. 6-8 °C. Relative humidity may reach upto 90 % (max) and 43 % (min). The average wind speed may be 1-2 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracer @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018**District: Chandel****Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Chandel (25th to 29th Dec., 2018)

Likely to have no rains, dense fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 23-25 °C & minimum temp. 6-8 °C. Relative humidity may reach upto 94 % (max) and 41 % (min). The average wind speed may be 3-4 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracerl @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018*District: Churachandpur*

Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)	Weather forecast for Churachandpur (25th to 29th Dec., 2018)
No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.	Likely to have no rains, fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 25-26 °C & minimum temp. 6-8 °C. Relative humidity may reach upto 94 % (max) and 37 % (min). The average wind speed may be 3 km/hr.
General Advisories: * Regular monitoring insect-pest infestation in the crop fields may be done.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains.
			- Apply Tracer @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.
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: 24th December, 2018*District: Imphal East***Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Imphal East (25th to 29th Dec., 2018)

Likely to have no rains, dense fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 24-25 °C & minimum temp. 6-7 °C. Relative humidity may reach upto 81 % (max) and 37 % (min). The average wind speed may be 5 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracerl @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018*District: Imphal West***Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Imphal West (25th to 29th Dec., 2018)

Likely to have no rains, dense fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 23-25 °C & minimum temp. 6-7 °C. Relative humidity may reach upto 87 % (max) and 44 % (min). The average wind speed may be 4 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracerl @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018*District: Senapati***Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Senapati (25th to 29th Dec., 2018)

Likely to have no rains, fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 24-26 °C & minimum temp. 5-7 °C. Relative humidity may reach upto 84 % (max) and 37 % (min). The average wind speed may be 4-5 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracerl @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018*District: Tamenglong***Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Tamenglong (25th to 29th Dec., 2018)

Likely to have no rains, fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 25-26 °C & minimum temp. 7-9 °C. Relative humidity may reach upto 87 % (max) and 37 % (min). The average wind speed may be 3-4 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracer @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018**District: Thoubal****Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Thoubal (25th to 29th Dec., 2018)

Likely to have no rains, dense fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 24-26 °C & minimum temp. 7-8 °C. Relative humidity may reach upto 96 % (max) and 47 % (min). The average wind speed may be 2-4 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
Potato	Vegetative		- Inter-culture operations may be done. - Spray Mancozeb at 7-10 days interval against early blight.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracer @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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: 24th December, 2018**District: Ukhrul****Significant past weather for the preceding bi-weekly of Imphal West (21st to 23rd Dec., 2018)**

No rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy. Maximum temperature ranged from 23.5 – 24.3 °C and minimum of 6.8 – 8.0 °C. Mean relative humidity of 88 % max and 48 % min was recorded in the past three days & average wind speed was 1.4 – 2.2 km/ hr.

Weather forecast for Ukhrul (25th to 29th Dec., 2018)

Likely to have no rains, fog during morning hours and mainly clear to partly cloudy sky during next five days with maximum temp. 24-26 °C & minimum temp. 5-7 °C. Relative humidity may reach upto 87 % (max) and 38 % (min). The average wind speed may be 4-5 km/hr.

General Advisories:

* Regular monitoring insect-pest infestation in the crop fields may be done.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard/ Field pea/ Lentil	Vegetative		- Thinning may be done, if plant population is high. Monitor for insect pest on the crop. - Apply foliar application of urea (5pumps/sangam @ 10g/pump) in rapeseed/ mustard.
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.
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	Curd/ head formation to harvesting of mid-season var. and transplanting of late variety	leaf eating caterpillar	- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water before rains. - Apply Tracerl @ 300gm/ sangam in 30-35days old cauliflower to avoid leaf curling, development of purple coloured vein due to absence of micronutrient. If required repeat it after 10 days.
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	Early Blight	- Spray Imidachloprid against Early Blight.

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