

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018**District: Bishnupur****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Bishnupur (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 22-24 °C & minimum temp. 9-10 °C. Relative humidity may reach upto 100 % (max) and 40 % (min). The average wind speed may be 0-4 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with Rhizobium leguminosarum or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018**District: Chandel****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Chandel (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 22-24 °C & minimum temp. 9-10 °C. Relative humidity may reach upto 99 % (max) and 44 % (min). The average wind speed may be 3-5 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with Rhizobium leguminosarum or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018*District: Churachandpur*

<b>Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)</b> Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11 <sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.	<b>Weather forecast for next five days of Churachandpur (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)</b> Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 22-24 °C & minimum temp. 9-10 °C. Relative humidity may reach upto 100 % (max) and 38 % (min). The average wind speed may be 2-4 km/hr.
<b>General Advisories:</b> * After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage. * Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost. * Light irrigation may be given wherever required.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with Rhizobium leguminosarum or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.
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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.		

(I. Meghachandra Singh)  
 Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018**District: Imphal East****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Imphal East (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 23-25 °C & minimum temp. 9-10 °C. Relative humidity may reach upto 100 % (max) and 43 % (min). The average wind speed may be 0-2 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with Rhizobium leguminosarum or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS



**MANIPUR AGROMET ADVISORY BULLETIN****District: Imphal West****Date of issue: 16<sup>th</sup> November, 2018****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Imphal West (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 22-24 °C & minimum temp. 9-10 °C. Relative humidity may reach upto 100 % (max) and 39 % (min). The average wind speed may be 4 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with Rhizobium leguminosarum or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018*District: Senapati***Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Senapati (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 20 °C & minimum temp. 7 °C. Relative humidity may reach upto 100 % (max) and 57 % (min). The average wind speed may be 2-3 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required. Moderately dry conditions were experienced in Senapati district of Manipur

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with <i>Rhizobium leguminosarum</i> or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with <i>T. harzianum</i> . Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018**District: Tamenglong****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Tamenglong (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 20 °C & minimum temp. 7 °C. Relative humidity may reach upto 100 % (max) and 45 % (min). The average wind speed may be 3 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim@ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim@ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with <i>Rhizobium leguminosarum</i> or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with <i>T. harzianum</i> . Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018**District: Thoubal****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Thoubal (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 22-24 °C & minimum temp. 9-10 °C. Relative humidity may reach upto 100 % (max) and 45 % (min). The average wind speed may be 2-4 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim @ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with Rhizobium leguminosarum or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with T. harzianum. Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
 Nodal Officer, GKMS



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 16<sup>th</sup> November, 2018**District: Ukhrul****Significant past weather for the preceding bi-weekly of Imphal West (13<sup>th</sup> to 15<sup>th</sup> Nov, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky but mainly cloudy during morning hours of 11<sup>th</sup> Nov. Maximum temperature recorded ranged from 25.3 – 26.6 °C and minimum of 8.8 – 10.2 °C with mean relative humidity 85.7 % max and 48.0 % min was recorded in the past three days & average wind speed was 1.1 – 3.0 km/ hr.

**Weather forecast for next five days of Ukhrul (17<sup>th</sup> to 21<sup>st</sup> Nov, 2018)**

Likely to have no rains upto Wednesday and shallow to moderate fog during morning hours in next 2-3 days & mainly clear to partly cloudy sky with maximum temp. 20 °C & minimum temp. 7 °C. Relative humidity may reach upto 99 % (max) and 52 % (min). The average wind speed may be 3-4 km/hr.

**General Advisories:**

- \* After threshing, sundry the grains upto 12% moisture for storage. For seeds, treat it with Dichlorovos/ Carbendazim @ 2g/ kg of seeds to avoid grain pest before storage.
- \* Light watering during morning hours may be done for young plants in nursery plots to avoid the adverse effects of fog/ frost.
- \* Light irrigation may be given wherever required. Moderately dry conditions were experienced in Senapati district of Manipur

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rapeseed/ mustard	Sowing to early vegetative		Apply 65kg Urea + 188kg SSP + 50kg MOP per hectare as basal dose before 1-2 days of sowing. Recommended variety – M-27. Seed rate is 10 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Sowing to early vegetative		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10cm. Seed rate is 80 kg/ hectare. Treat seeds with Dichlorovos/ Carbendazim @ 2g/ kg seeds.
Lentil	Sowing		- Apply 22kg Urea + 250 kg SSP + 67 kg MOP per hectare at the time of sowing and 22kg of Urea after one month of sowing. Seed rate is 40kg/ha.
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
Garden pea	Sowing to vegetative		- Sowing of Garden pea may be done at a spacing of 10cm x 20cm. Before sowing, treat seeds with <i>Rhizobium leguminosarum</i> or follow soil inoculation with phosphor-bacterium. Maintain the depth of sowing to 2-3cm. Avoid shade area while sowing. - Avoid plucking off of young shoots.
Onion	Nursery raising to land preparation for transplanting		- Apply Sixer during final land preparation of nursery plot as preventive measures against soil borne diseases. For 25 sq. m area, we need ½ kg seeds. Treat seeds with <i>T. harzianum</i> . Check that the new sprouts/ young plants in nursery beds are not damaged. - Prepare land for transplanting 45-60 days old seedlings at a spacing of 10cm x 20cm.
Garlic	Planting		- Garlic bulblets may be planted.
Ginger/ Turmeric	Harvesting		- 9 months old crops may be harvested. Harvested crop must be kept under rain shelter sheds for curing.

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 @ 3 % body weight per day. Harvesting of fishes may be done. Select disease free fishes to be stocked as brooder.

(I. Meghachandra Singh)  
Nodal Officer, GKMS