

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Imphal West

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Imphal West (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-12 °C. Relative humidity may reach upto 100 % (max) and 40 % (min). The average wind speed may be 2-4 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.
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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Bishnupur

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Bishnupur (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-12 °C. Relative humidity may reach upto 100 % (max) and 45 % (min). The average wind speed may be 0-2 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.
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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Chandel

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Chandel (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-12 °C. Relative humidity may reach upto 99 % (max) and 54 % (min). The average wind speed may be 2-3 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.
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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Churachandpur

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Churachandpur (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11 °C. Relative humidity may reach upto 100 % (max) and 48 % (min). The average wind speed may be 2-3 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.
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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Imphal East

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Imphal East (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-12 °C. Relative humidity may reach upto 100 % (max) and 45 % (min). The average wind speed may be 0-2 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.

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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries	
Carp culture	- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018District: *Senapati*

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018)
Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.

Weather forecast for next five days of Senapati (3rd to 7th Nov, 2018)

Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11 °C. Relative humidity may reach upto 100 % (max) and 48 % (min). The average wind speed may be 2-3 km/hr.

General Advisories:

- * Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.
- * Cover the nursery bed to avoid birds or insect till germination.
- * Mulching may be done wherever possible to retain soil moisture for longer period.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
Seeds storage	Post-harvest management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> 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
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.

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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.

Fisheries	
Carp culture	- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Tamenglong

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Tamenglong (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11 °C. Relative humidity may reach upto 100 % (max) and 48 % (min). The average wind speed may be 2-3 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.

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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.

Fisheries	
Carp culture	- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Thoubal

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018) Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1 st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.	Weather forecast for next five days of Thoubal (3rd to 7th Nov, 2018) Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-12 °C. Relative humidity may reach upto 100 % (max) and 55 % (min). The average wind speed may be 0-3 km/hr.
General Advisories:	
* Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.	
* Cover the nursery bed to avoid birds or insect till germination.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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/ Land preparation		-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.
Potato	Planting to vegetative		- Planting of potato may be done at a spacing of 60cm x 15-20cm. Seed rate is 25-30 quintals/ hectare. Treat seed tubers with Sixer (Carbendazim + Mancozeb) @ 2 g/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting.
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray <i>Deltamethrin 12 % @ 7ml /15 litre of water</i> after the harvesting mature fruits.
Onion	Nursery raising		- 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.
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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 2nd November, 2018

District: Ukhrul

Significant past weather for the preceding bi-weekly of Imphal West (30th Oct to 1st Nov, 2018)
Observed 0.3mm rainfall with partly cloudy to overcast sky but mainly clear during morning hours of 1st Nov. Maximum temperature recorded ranged from 22.4 - 27.8 °C and minimum of 14.9 - 17.3 °C with mean relative humidity 92.7 % max and 69.3 % min was recorded in the past three days & average wind speed was 0.7 - 2.5 km/hr.

Weather forecast for next five days of Ukhrul (3rd to 7th Nov, 2018)

Likely to have no rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11 °C. Relative humidity may reach upto 100 % (max) and 52 % (min). The average wind speed may be 3-4 km/hr.

General Advisories:

- * Sowing of seeds for rabi season may be done as early as possible so that the available moisture may be utilized to maximum extent.
- * Cover the nursery bed to avoid birds or insect till germination.
- * Mulching may be done wherever possible to retain soil moisture for longer period.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvest and post-harvest stage		- Harvest mature crops. - Stacking of the harvested panicles for 5-7 days and turning upside down the heap of panicles can be done. After proper threshing and cleaning, sundry before storage.
Rapeseed/ mustard	Sowing		- After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition. Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing. Recommended variety - M-27. Seed rate is 10-12 kg/ ha. Treat seeds with Mancozeb @2g/kg seed for the control of white rust and Downey Mildew at seedling stage.
Field pea	Land preparation to sowing		- Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Seed rate is 75 kg/ hectare.
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
Cole crops	Vegetative (Mid-season var.) and nursery (late var.)		- Apply 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage. - Monitor for insect pest infestation in nursery plot.
Citrus	Bearing trees	Trunk borer	- Kill the trunk borer grubs. Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichlorovos solution (2ml/lit of water) and paste the bore hole with mud. - Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal, spray Deltamethrin 12 % @ 7ml /15 litre of water after the harvesting mature fruits.

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.
Sheep/ Goat	All age groups	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight.
		Fascioliosis	Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Pig	All age groups except the young ones	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
		Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	All age groups excepts the young ones	Tick	Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
		Deworming	De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.

Fisheries	
Carp culture	- Maintain water level at a depth of 1.0m to 1.5m. Ensure good quality water in fish culture ponds by liming. - Depending upon the availability of water, partial harvesting of fishes may be done.

(I. Meghachandra Singh)
Nodal Officer, GKMS