

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Bishnupur

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/hr.	Weather forecast for next five days of Bishnupur (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 21-29 °C & minimum temp. 15 °C. Relative humidity may reach upto 100 % (max) and 94 % (min). The average wind speed may be 2-4 km/hr.
General Advisories:	
* Select disease free quality seed material from reliable sources. Treat seeds before sowing.	
* Irrigation may be provided only when soil is dry for better growth of the crops.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	
* Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.

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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
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 gm/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.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.

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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Chandel

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/hr.	Weather forecast for next five days of Chandel (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 24-31 °C & minimum temp. 20-21 °C. Relative humidity may reach upto 99 % (max) and 91 % (min). The average wind speed may be 2-3 km/hr.
General Advisories: * Select disease free quality seed material from reliable sources. Treat seeds before sowing. * Irrigation may be provided only when soil is dry for better growth of the crops. * Mulching may be done wherever possible to retain soil moisture for longer period. * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.
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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
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 gm/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.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.
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.
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	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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Churachandpur

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 - 1.7 km/hr.	Weather forecast for next five days of Churachandpur (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to mainly cloudy sky with maximum temp. 26-29 °C & minimum temp. 12-13 °C. Relative humidity may reach upto 100 % (max) and 91 % (min). The average wind speed may be 2-3 km/hr.
General Advisories: * Select disease free quality seed material from reliable sources. Treat seeds before sowing. * Irrigation may be provided only when soil is dry for better growth of the crops. * Mulching may be done wherever possible to retain soil moisture for longer period. * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.

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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
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 gm/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.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.

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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018*District: Imphal East*

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/ hr.	Weather forecast for next five days of Imphal East (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-29 °C & minimum temp. 12-13 °C. Relative humidity may reach upto 100 % (max) and 77 % (min). The average wind speed may be 2-4 km/hr.
General Advisories:	
<ul style="list-style-type: none"> * Select disease free quality seed material from reliable sources. Treat seeds before sowing. * Irrigation may be provided only when soil is dry for better growth of the crops. * Mulching may be done wherever possible to retain soil moisture for longer period. * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours. 	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting stage		<ul style="list-style-type: none"> - 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/ Field pea/ Lentil	Sowing		<ul style="list-style-type: none"> - Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
Seeds storage	Post-harvest management		<ul style="list-style-type: none"> - 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.

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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
Potato	Planting to vegetative		<ul style="list-style-type: none"> - 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 gm/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.)		<ul style="list-style-type: none"> - Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
Citrus	Bearing trees	Trunk borer	<ul style="list-style-type: none"> - 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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	<ul style="list-style-type: none"> - Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.

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	<ul style="list-style-type: none"> Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
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	De-worm with Nilzan/ Tolzan-F @ 20-30ml for 100 kg body weight.
Fisheries			
Carp culture			<ul style="list-style-type: none"> - 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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Imphal West

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/ hr.	Weather forecast for next five days of Imphal West (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 26-29 °C & minimum temp. 12-13 °C. Relative humidity may reach upto 100 % (max) and 75 % (min). The average wind speed may be 2-4 km/hr.
General Advisories: * Select disease free quality seed material from reliable sources. Treat seeds before sowing. * Irrigation may be provided only when soil is dry for better growth of the crops. * Mulching may be done wherever possible to retain soil moisture for longer period. * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.
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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
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 gm/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.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.
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.
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	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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018District: *Senapati***Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018)**

Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/hr.

Weather forecast for next five days of Senapati (27 to 31 October, 2018)

Likely to have light to moderate rains upto Wednesday and mainly clear to mainly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-24 °C. Relative humidity may reach upto 100 % (max) and 78 % (min). The average wind speed may be 3-4 km/hr.

General Advisories:

- * Select disease free quality seed material from reliable sources. Treat seeds before sowing.
- * Irrigation may be provided only when soil is dry for better growth of the crops.
- * Mulching may be done wherever possible to retain soil moisture for longer period.
- * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole crops	Vegetative (Mid-season var.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.

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)
Scientist i/c, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Tamenglong

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/hr.	Weather forecast for next five days of Tamenglong (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to mainly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-23 °C. Relative humidity may reach upto 99 % (max) and 78 % (min). The average wind speed may be 3-4 km/hr.
General Advisories:	
* Select disease free quality seed material from reliable sources. Treat seeds before sowing.	
* Irrigation may be provided only when soil is dry for better growth of the crops.	
* Mulching may be done wherever possible to retain soil moisture for longer period.	
* Light watering to the nursery may be done to avoid the adverse of effect of fog or frost during morning hours.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.

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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
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 gm/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.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.

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.

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Thoubal

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018) Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/hr.	Weather forecast for next five days of Thoubal (27 to 31 October, 2018) Likely to have light to moderate rains upto Wednesday and mainly clear to partly cloudy sky with maximum temp. 22-30 °C & minimum temp. 18-21 °C. Relative humidity may reach upto 100 % (max) and 92 % (min). The average wind speed may be 0-3 km/hr.
General Advisories: * Select disease free quality seed material from reliable sources. Treat seeds before sowing. * Irrigation may be provided only when soil is dry for better growth of the crops. * Mulching may be done wherever possible to retain soil moisture for longer period. * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.	

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.
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 Rhizobium leguminosarum, jaggery or gur solution so that the seeds are soaked well or follow soil inoculation with phosphobacterium. Maintain the depth of sowing to 2-3cm.
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 gm/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.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.
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.
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	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.		

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 26th October, 2018

District: Ukhrul

Significant past weather for the preceding bi-weekly of Imphal West (23 to 25 October, 2018)

Observed no rainfall with mainly clear to partly cloudy sky. Maximum temperature recorded ranged from 28.7 - 29.3 °C and minimum of 14.8 - 15.7 °C with mean relative humidity 85.0 % max and 38.7 % min was recorded in the past four days & average wind speed was 1.5 – 1.7 km/hr.

Weather forecast for next five days of Ukhrul (27 to 31 October, 2018)

Likely to have light to moderate rains upto Wednesday and mainly clear to mainly cloudy sky with maximum temp. 26-27 °C & minimum temp. 11-24 °C. Relative humidity may reach upto 100 % (max) and 85 % (min). The average wind speed may be 2-3 km/hr.

General Advisories:

- * Select disease free quality seed material from reliable sources. Treat seeds before sowing.
- * Irrigation may be provided only when soil is dry for better growth of the crops.
- * Mulching may be done wherever possible to retain soil moisture for longer period.
- * Light watering to the nursery may be done to avoid the adverse effect of fog or frost during morning hours.

Field Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Harvesting and post harvesting 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/ Field pea/ Lentil	Sowing		- Rapeseed/Mustard/ Lentil/ Field pea may be sown just after harvesting rice/ soybean/ groundnut/ black-gram/ rice-bean to make full utilization of the residual moisture.
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.

Horticulture Crops

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Cole crops	Vegetative (Mid-season var.)		- Weeding may be done if weed population is high to avoid insect pest and better growth of the crop. - Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as basal dose followed by 50 kg urea in two splits dose after 20-40 days of transplanting for mid-season crops in vegetative stage.
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.
Tree Bean	Pre-bearing and bearing trees	Verticillium wilt	- Apply Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.

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)
Scientist i/c, GKMS