

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Significant past weather for the preceding bi-weekly of Imphal - West (9th to 11th October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9th and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7~{\rm km/hr}$.

Weather forecast for next five days of Churachandpur (13th to 17th October, 2018)

E-mail: agromet_mnp@yahoo.co.uk

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-30 $^{\circ}\text{C}$ & minimum temp. 17-22 $^{\circ}\text{C}$. Relative humidity may reach upto 99-100 %. The average wind speed may be 2 km/hr.

Date of issue: 12th October, 2018

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops					
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rice	Grain filling to maturit to harvesting and post harvesting stage		arseuse	- Maintain water level at 5-8 cm Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil				- Procure quality seeds from reliable source for sowing in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.	
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. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops		<u>.</u>			
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative			 Sowing may be done only after rains. Avoid water logging in the field in which the crop is in vegetative stage. 	
Potato	Sowing to early vegetative			 Land preparation for planting potato may be started after rains. Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 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 as preventive measure against soil borne diseases. 	
Cole crops	Nursery (late ver.), transplanting to vegetative (main seasor var.) and harvesting (early var.)	n		 - 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds. - Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity	Soil nutritio managemen		- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
Animal Sciences				•	
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Co	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.	
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fascioliosis		zan-F $@$ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme $@$ ice daily.	
Pig	All age groups except	Deworming	Give Mo	orantel citrate tablet (Banminth) @15mg/ kg body weight.	
	the young ones		Use Bute	ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle	All age groups	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick	Use Bute	ox liquid @ 2ml/ litre water twice a week while brushing animals.	
	ones Tree		Calves should not be allowed to drink milk from mothers if affected by FMD, it affects hea and cause even death of the calves.		
		Deworming	De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.		
Fisheries					
Carp culture	- Sampling of fish for gro quality water in fish cultu - Encircle fish culture po	ure ponds by limin	g.	regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good	



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ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th}$ to 11^{th} October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Imphal East (13th to 17th October, 2018)

E-mail: agromet_mnp@yahoo.co.uk

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-30 $^{\circ}\text{C}$ & minimum temp. 17-22 $^{\circ}\text{C}$. Relative humidity may reach upto 94-100 %. The average wind speed may be 2-3 km/hr.

Date of issue: 12th October, 2018

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

General Advisories:

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops						
Name of the crop	Stage		Pest and	disease	Agro-meteorological advisories	
Rice	Grain filling to mature to harvesting and post harvesting stage				- Maintain water level at 5-8 cm. - Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil	Seed collection and sowing				- Procure quality seeds from reliable source for sowing in the field just afte harvest of rice/ soybean/ groundnut/ black gram or rice bean.	
Seeds storage	Post-harvest management				 For seed purpose store the seeds in RC-Seed Bin after proper drying an cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moistur content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; als ensure that it is well ventilated. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops						
Name of the crop	Ö		Pest and	disease	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative	2			 Sowing may be done only after rains. Avoid water logging in the field in which the crop is in vegetative stage. 	
Potato	Sowing to early vegetative				- Land preparation for planting potato may be started after rains Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 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 as preventive measure against soil borne diseases.	
Cole crops	Nursery (late ver.), transplanting to vegetative (main seas var.) and harvesting (early var.)	transplanting to vegetative (main season var.) and harvesting			 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds. Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity	Rhizome formation to Soil nutritio			- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
Animal Sciences	·		9			
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.		
Sheep/ Goat	All age groups	All age groups Vaccination		Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fascioliosis		Give Tol 50ml twi	zan-F $@$ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme $@$ ice daily.	
Pig	All age groups except	Deworming			rantel citrate tablet (Banminth) @15mg/ kg body weight.	
	the young ones				ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle			Vaccination Vac		accinate against B.Q., F.M.D. & H.S. if not yet vaccinated.	
	excepts the young	Tick			ox liquid @ 2ml/ litre water twice a week while brushing animals.	
	ones				hould not be allowed to drink milk from mothers if affected by FMD, it affects hear se even death of the calves.	
		Dew	orming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.	
Fisheries						
Carp culture	- Sampling of fish for g quality water in fish cu				regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good	

- Encircle fish culture ponds using happa net avoid escape of grow-out fishes.



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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th}$ to 11^{th} October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7~{\rm km/hr}$.

Weather forecast for next five days of Imphal West (13th to 17th October, 2018)

E-mail: agromet_mnp@yahoo.co.uk

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-30 $^{\circ}\text{C}$ & minimum temp. 17-22 $^{\circ}\text{C}$. Relative humidity may reach upto 99-100 %. The average wind speed may be 2-4 km/hr.

Date of issue: 12th October, 2018

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy to very heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

	Eight Chang							
Field Crops	a.	1		•				
Name of the crop	Stage		Pest and	disease	Agro-meteorological advisories			
Rice	Grain filling to maturity				- Maintain water level at 5-8 cm.			
	to harvesting and pos	st			- Harvest when 80% of the spikelet is yellow after rains.			
	harvesting stage							
Rapeseed/Mustard/ Field	Seed collection and				- Procure quality seeds from reliable source for sowing in the field just after			
pea/ Lentil	sowing				harvest of rice/ soybean/ groundnut/ black gram or rice bean.			
Seeds storage	Post-harvest	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and			
management					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.			
					- Maintain optimum moisture level in godowns to avoid fungal growth.			
Horticulture Crops								
Name of the crop	Stage		Pest and	lisease	Agro-meteorological advisories			
Rabi vegetables	Sowing to vegetative	Sowing to vegetative			- Sowing may be done only after rains.			
					- Avoid water logging in the field in which the crop is in vegetative stage.			
Potato	Sowing to early				- Land preparation for planting potato may be started after rains.			
	vegetative				- Collect seed tubers from reliable source and treated it with Sixer (Carbendazim			
					+ Mencozeb) @ 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 as preventive measure			
					against soil borne diseases.			
Cole crops	Nursery (late ver.),	er.),			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip			
transplanting to vegetative (main season					root in Carbendazim @ 10g/5 lit of water for 30 min before transplanting in			
		on			raised beds.			
	var.) and harvesting				- Protect nursery of late variety from rains.			
	(early var.)							
Ginger/ Turmeric	Rhizome formation to	o Soil nutrition		n	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after			
9	maturity		managemen	t	rains to improve soil fertility.			
Animal Sciences					•			
Name of bird/animal	Stage	Γ	Disease/		Agro-meteorological advisories			
		Ma	nagement					
Poultry (Chicken/	All age groups	Cocci	diosis	Give Coo	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.			
Duck)	8 8 1							
Sheep/ Goat	All age groups	Vaccination		Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.				
	Fascioliosis		ioliosis Cive Tolz		olzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @			
		Fascionosis		50ml twice daily.				
Pig	All age groups except	Down	rmina		rantel citrate tablet (Banminth) @15mg/ kg body weight.			
1 lg	the young ones	Deworming						
C-441-		**		Use Butox liquid @ 2 ml/lit of water twice a week while brushing the animal.				
Cattle	All age groups			Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.				
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Use Buto	ox liquid @ 2ml/ litre water twice a week while brushing animals.			
	ones				hould not be allowed to drink milk from mothers if affected by FMD, it affects heart			
					se even death of the calves.			
		Dewo	rming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.			
Fisheries								
Carp culture					regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good			
	quality water in fish cul							
	- Encircle fish culture p	onds us	sing happa ne	et avoid esc	cape of grow-out fishes.			



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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th}$ to 11^{th} October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Senapati (13th to 17th October, 2018)

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-25 °C & minimum temp. 16-17 °C. Relative humidity may reach upto 97-100 %. The average wind speed may be 2-3 km/hr.

Date of issue: 12th October, 2018

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops						
Name of the crop	Stage		Pest and o	lisease	Agro-meteorological advisories	
Rice	Grain filling to matur	Grain filling to maturity to harvesting and post harvesting stage			- Maintain water level at 5-8 cm. - Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil	Seed collection and sowing				- Procure quality seeds from reliable source for sowing in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.	
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. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops						
Name of the crop	Stage		Pest and disease		Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative	,			- Sowing may be done only after rains Avoid water logging in the field in which the crop is in vegetative stage.	
Cole crops	Nursery (late ver.), transplanting to vegetative (main seas var.) and harvesting (early var.)	on			 - 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds. - Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity	o Soil nutrition			- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
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.		
Sheep/ Goat	All age groups	Vacc	ination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fascioliosis		Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozym 50ml twice daily.		
Pig	All age groups except	Dewo	orming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.		
	the young ones			Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.		
Cattle	excepts the young Tick		Vaccination Vaccina		inate against B.Q., F.M.D. & H.S. if not yet vaccinated.	
				Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones				hould not be allowed to drink milk from mothers if affected by FMD, it affects heart	
		Dewor		and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.		
Fisheries		Dewo	n ming	De-worn	n with fullant Tollant @20-30nn for 100 kg body weight.	
Carp culture	quality water in fish cu	lture p	onds by liming	g.	regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good cape of grow-out fishes.	



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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th}$ to 11^{th} October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Tamenglong (13th to 17th October, 2018)

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-25 °C & minimum temp. 16-17 °C. Relative humidity may reach upto 99-100 %. The average wind speed may be 2 km/hr.

Date of issue: 12th October, 2018

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Sprays mentioned belo	w must be done after rain	s omy.			
Field Crops					
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rice		Grain filling to maturity to harvesting and post harvesting stage		- Maintain water level at 5-8 cm. - Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil	Seed collection and sowing			- Procure quality seeds from reliable source for sowing in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.	
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. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops					
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative			 Sowing may be done only after rains. Avoid water logging in the field in which the crop is in vegetative stage. 	
Potato	Sowing to early vegetative			- Land preparation for planting potato may be started after rains Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 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 as preventive measure against soil borne diseases.	
Cole crops	Nursery (late ver.), transplanting to vegetative (main sease var.) and harvesting (early var.)	on		 - 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds. - Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity			- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
Animal Sciences					
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Co	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.	
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fascioliosis		lzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ ice daily.	
Pig	All age groups except	Deworming		orantel citrate tablet (Banminth) @15mg/ kg body weight.	
	the young ones			ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle	All age groups	Vaccination	_	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.	
	excepts the young	Tick		ox liquid @ 2ml/ litre water twice a week while brushing animals.	
	ones		Calves s	hould not be allowed to drink milk from mothers if affected by FMD, it affects heart	
		Deworming		se even death of the calves. n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.	
Fisheries		Deworming	De-wort	ii with filland Tolland (@20-30nn for 100 kg body weight.	
Carp culture	- Sampling of fish for gr quality water in fish cul - Encircle fish culture p	ture ponds by limin	ıg.	regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good	



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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Significant past weather for the preceding bi-weekly of Imphal - West (9th to 11th October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Thoubal (13th to 17th October, 2018)

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 21-32 $^{\circ}\text{C}$ & minimum temp. 18-20 $^{\circ}\text{C}$. Relative humidity may reach upto 99-100 %. The average wind speed may be 2-3 km/hr.

Date of issue: 12th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Name of the crop Stage Pest and disease Agro-meteorological advisories	ving and moisture
Rice Grain filling to maturity to harvesting and post harvesting and post harvesting and post harvesting stage Rapsesed/Mustard/ Field pea/ Lentil Seed collection and sowing Seeds storage Post-harvest management Post-harvest	ving and moisture
Tarvesting and post harvesting stage Cole crops Stage Pest and disease Post and disease Post and disease Post and cole carly vegetative Post and sowing Post and disease Post and disea	ving and moisture
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Seeds storage	ving and moisture
Post-harvest management Post-harvest man	moisture
management cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for content or weight of charcoal and dry if required. - Clean godowns and spray with 1% Malathion on the walls before storensure that it is well ventilated. - Maintain optimum moisture level in godowns to avoid fungal growth. Horticulture Crops Name of the crop Stage Pest and disease Sowing to vegetative Sowing to vegetative Sowing to vegetative Sowing to early vegetative Collect seed tubers from reliable source and treated it with Sixer (Carbe + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/tubers for 20 minutes and let it dry in shed before planting as preventive against soil borne diseases. Cole crops Nursery (late ver.), transplanting to vegetative (main season var.) and harvesting (early var.) Ginger/ Turmeric Rhizome formation to management Stage Disease/ Agro-meteorological advisories Cole crops Name of bird/ animal Stage Disease/ Agro-meteorological advisories	moisture
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Name of bird/animal Stage Disease/ Agro-meteorological advisories	
Management	
Poultry (Chicken/ All age groups Coccidiosis Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.	
Duck)	
Sheep/ Goat	
Fascioliosis Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livo	zyme @
50ml twice daily.	
Pig All age groups except Deworming Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.	
the young ones Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle All age groups Vaccination Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.	
excepts the young Tick Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.	
ones Calves should not be allowed to drink milk from mothers if affected by FMD, it affected by FMD, it affected by FMD is a few should not be allowed to drink milk from mothers if affected by FMD.	
and cause even death of the calves.	ts heart
Deworming De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.	ts heart
Fisheries	ts heart
Carp culture - Sampling of fish for growth, disease should be done regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensur	ts heart
quality water in fish culture ponds by liming.	
- Encircle fish culture ponds using happa net avoid escape of grow-out fishes.	



ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th} \text{ to } 11^{th} \text{ October}, 2018)$

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Ukhrul (13th to 17th October, 2018)

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-25 $^{\circ}\text{C}$ & minimum temp. 16-17 $^{\circ}\text{C}$. Relative humidity may reach upto 98-100 %. The average wind speed may be 2-4 km/hr.

Date of issue: 12th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops						
Name of the crop	Stage		Pest and dise	ase	Agro-meteorological advisories	
Rice	Grain filling to mature to harvesting and post harvesting stage	and post			- Maintain water level at 5-8 cm. - Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil	Seed collection and sowing				- Procure quality seeds from reliable source for sowing in the field just after harvest of rice/soybean/groundnut/black gram or rice bean.	
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. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops						
Name of the crop	Stage		Pest and dise	ase	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative	ive			- Sowing may be done only after rains Avoid water logging in the field in which the crop is in vegetative stage.	
Cole crops	Nursery (late ver.), transplanting to vegetative (main seas var.) and harvesting (early var.)	on			 - 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds. - Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity		il nutrition anagement		- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
Animal Sciences						
Name of bird/ animal	Stage	Dise Manag			Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Coccidio		Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Sheep/ Goat	All age groups	Vaccinat	ion Va	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fasciolio		Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme 50ml twice daily.		
Pig	All age groups except	Dewormi		Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.		
C. W.	the young ones	Vaccinat		Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.		
Cattle				Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	ones	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart		
	ones				even death of the calves.	
		Deworming		De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.		
Fisheries			8 12			
Carp culture	- Sampling of fish for gr quality water in fish cul - Encircle fish culture p	lture ponds	s by liming.	Ì	gularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good	



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th}$ to 11^{th} October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Bishnupur (13th to 17th October, 2018)

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. 22-30 $^{\circ}\text{C}$ & minimum temp. 17-22 $^{\circ}\text{C}$. Relative humidity may reach upto 99-100 %. The average wind speed may be 0-2 km/hr.

Date of issue: 12th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops					
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rice	Grain filling to maturito harvesting and post harvesting stage		uiscasc	- Maintain water level at 5-8 cm Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil				- Procure quality seeds from reliable source for sowing in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.	
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. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops		<u>.</u>			
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative			Sowing may be done only after rains. Avoid water logging in the field in which the crop is in vegetative stage.	
Potato	Sowing to early vegetative			- Land preparation for planting potato may be started after rains Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 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 as preventive measure against soil borne diseases.	
Cole crops	Nursery (late ver.), transplanting to vegetative (main seasor var.) and harvesting (early var.)	n		 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/5 lit of water for 30 min before transplanting in raised beds. Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity	Soil nutritio managemen		- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
Animal Sciences					
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Co	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.	
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fascioliosis		zan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ ice daily.	
Pig	All age groups except	Deworming		orantel citrate tablet (Banminth) @15mg/ kg body weight.	
	the young ones		Use Bute	ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle	All age groups	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick		ox liquid @ 2ml/ litre water twice a week while brushing animals.	
	ones		Calves should not be allowed to drink milk from mothers if affected by FMD, it affects hear and cause even death of the calves.		
		Deworming	De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.		
Fisheries					
Carp culture	- Sampling of fish for gro quality water in fish culture - Encircle fish culture po	ure ponds by limin	g.	regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good	



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004
"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Significant past weather for the preceding bi-weekly of Imphal - West $(9^{th}$ to 11^{th} October, 2018)

Observed 24.2 mm rainfall with light fog during morning hours of 9^{th} and mainly cloudy to overcast sky. Maximum temperature recorded ranged from 23.1 to 27.8 °C and minimum of 16.6 to 18.7 °C with mean relative humidity 92.3 % max and 82.0 % min was recorded in the past three days & average wind speed was $0.5-2.7\,$ km/hr.

Weather forecast for next five days of Chandel (13th to 17th October, 2018)

Likely to have heavy rainfall at isolated places upto Sunday and mainly cloudy to overcast sky with maximum temp. $21\text{-}32\,^{\circ}\text{C}$ & minimum temp. $18\text{-}20\,^{\circ}\text{C}$. Relative humidity may reach upto 99-100 %. The average wind speed may be 2-4 km/hr.

Date of issue: 12th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning:

Heavy rainfall at isolated places over Manipur upto 14th Oct., 2018

- * Temporary roof like structures using paddy straw and bamboo may be prepared to protect nursery in open field from heavy rainfall.
- * Drainage system in and around the crop field may be constructed well to avoid water logging.
- * Harvest mature crops before rains and keep in sheds to dry till sunshine.
- * Give good drinking water to birds and animals. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops	T				
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rice	Grain filling to matur to harvesting and post harvesting stage			- Maintain water level at 5-8 cm. - Harvest when 80% of the spikelet is yellow after rains.	
Rapeseed/Mustard/ Field pea/ Lentil	sowing			- Procure quality seeds from reliable source for sowing in the field just after harvest of rice/ soybean/ groundnut/ black gram or rice bean.	
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. Maintain optimum moisture level in godowns to avoid fungal growth. 	
Horticulture Crops					
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative			 Sowing may be done only after rains. Avoid water logging in the field in which the crop is in vegetative stage. 	
Potato	Sowing to early vegetative			 - Land preparation for planting potato may be started after rains. - Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 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 as preventive measure against soil borne diseases. 	
Cole crops	Nursery (late ver.), transplanting to vegetative (main seaso var.) and harvesting (early var.)	on		 - 25-30 days old seedlings may be transplanted in the open field after rains. Dip root in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds. - Protect nursery of late variety from rains. 	
Ginger/ Turmeric	Rhizome formation to maturity	Soil nutritio managemen		- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil after rains to improve soil fertility.	
Animal Sciences					
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories	
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Co	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.	
Sheep/ Goat	All age groups	Vaccination	Vaccinate against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.		
		Fascioliosis		lzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ ice daily.	
Pig	All age groups except	Deworming		orantel citrate tablet (Banminth) @15mg/ kg body weight.	
	the young ones			ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle	All age groups	Vaccination	Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick		ox liquid @ 2ml/ litre water twice a week while brushing animals.	
	ones		Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.		
		Deworming	De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.		
Fisheries	G 11 001 0	41 11	,, ,		
Carp culture	- Sampling of fish for gr quality water in fish cul - Encircle fish culture p	ture ponds by limin	g.	regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good	