

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 $(5^{th}$ to 8^{th} October, 2018)

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Churachandpur $(10^{th} \text{ to } 14^{th} \text{ October}, 2018)$

E-mail: agromet_mnp@yahoo.co.uk

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. $28\text{-}31~^\circ\text{C}$ & minimum temp. $18\text{-}19~^\circ\text{C}$. Relative humidity may reach upto 99-100~%. The average wind speed may be 2-4~km/hr.

Date of issue: 9th October, 2018

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. 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
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heav
	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains in the field just
				after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleanin
	management			of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content o
				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.
TI d' le C				- Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops	G.	D ()	11	
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative			- Sowing may be done only after the soil attains optimum soil moisture level for
				sowing.
Potato	Sowing to early			 Avoid water logging in the field in which the crop is in vegetative stage. Land preparation for planting potato may be started after rains.
rotato	vegetative			- Collect seed tubers from reliable source and treated it with Sixer (Carbendazim +
	vegetative			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 to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
Core crops	transplanting			in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences	G			
Name of bird/ animal	Stage	Disease/		Agro-meteorological advisories
		Management		
Poultry (Chicken/	All age groups	Coccidiosis	Give Co	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Duck)				• • • • • • • • • • • • • • • • • • • •
Sheep/ Goat	All age groups	Vaccination	Vaccina	te against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give To	lzan-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			ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te 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
				se even death of the calves.
		Deworming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture	- Sampling of fish for g	rowth, disease sl	ould be do	one regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good
	quality water in fish cu			
	- Encircle fish culture p	onds using happ	a net avoi	d escape of grow-out fishes.



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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Significant past weather for the preceding bi-weekly of Imphal - West $(5^{\rm th}$ to $8^{\rm th}$ October, 2018)

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Imphal East $(10^{th}\ to\ 14^{th}\ October, 2018)$

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. $28\text{-}31~^\circ\text{C}$ & minimum temp. $18\text{-}19~^\circ\text{C}$. Relative humidity may reach upto 98~% (max RH) & 95% (min RH). The average wind speed may be 2-6 km/hr.

Date of issue: 9th October, 2018

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. 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
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy
	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains in the field jus
•				after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning
	management			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 the soil attains optimum soil moisture level for
				sowing.
				- 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 to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
T	transplanting			in Carbendazim @ 10g/5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences			•	
Name of bird/ animal	Stage	Disease/		Agro-meteorological advisories
		Management	~. ~	
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	Vaccinat	te against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
_		Fascioliosis	Cive Tel	zan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @
		r ascionosis	50ml twi	
Pig	All age groups except	Deworming		orantel citrate tablet (Banminth) @15mg/ kg body weight.
0	the young ones	8		ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te 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 heart
				se even death of the calves.
		Deworming		n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture	- Sampling of fish for g	rowth, disease sh	ould be do	one regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good
Jan p Carrait	quality water in fish cu			
				d escape of grow-out fishes.
		8 ·FF		•



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Significant past weather for the preceding bi-weekly of Imphal - West $(5^{\rm th}$ to $8^{\rm th}$ October, 2018)

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Imphal West $(10^{th} \text{ to } 14^{th} \text{ October}, 2018)$

E-mail: agromet_mnp@yahoo.co.uk

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. $28-31~^{\circ}\text{C}$ & minimum temp. $18-19~^{\circ}\text{C}$. Relative humidity may reach upto 100~%. The average wind speed may be 2-4~km/hr.

Date of issue: 9th October, 2018

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Name of the crop	Stage	Pest and	dicanca	Agro-meteorological advisories	
Name of the crop	Grain filling to	r est and	uisease	- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heav	
	maturity to			rains. Drainage system may be well constructed.	
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.	
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains in the field ju	
				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 of 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. 	
II				- Maintain optimum moisture level in godowns to avoid fungal growth.	
Horticulture Crops	a.	TD	11		
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories	
Rabi vegetables	Sowing to vegetative			 Sowing may be done only after the soil attains optimum soil moisture level for sowing. 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.	
2 0 0 0 0	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 to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root	
•	transplanting			in Carbendazim @ 10g/5 lit of water for 30 min before transplanting in raised beds.	
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.	
Animal Sciences		· ·			
Name of bird/ animal	Stage	Disease/		Agro-meteorological advisories	
	3	Management			
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	Vaccina	te 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	Give Mo	orantel citrate tablet (Banminth) @15mg/ kg body weight.	
	the young ones	Ŭ		ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.	
Cattle	All age groups	Vaccination		te 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 affected by FMD and the calves should not be allowed to drink milk from mothers are affected by FMD.		
			and cau	se even death of the calves.	
		Deworming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.	
Fisheries		Ŭ			
Carp culture	- Sampling of fish for g quality water in fish cu - Encircle fish culture g	ture ponds by li	ming.	one 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: Senapati

Significant past weather for the preceding bi-weekly of Imphal - West $(5^{th}\,to\,8^{th}\,October,2018)$

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Senapati (10th to 14th October, 2018)

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 26-28 $^{\circ}$ C & minimum temp. 16-23 $^{\circ}$ C. Relative humidity may reach upto 98-99 %. The average wind speed may be 2-4 km/hr.

Date of issue: 9th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops	- Ci		**	
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy
n.	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains 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	dicasca	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative	1 est anu	uisease	- Sowing may be done only after the soil attains optimum soil moisture level for
Kabi vegetables	bowing to vegetative			sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Cole crops	Nursery to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
•	transplanting			in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coo	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinat	e against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tol	zan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ ce daily.
Pig	All age groups except	Deworming	Give Mo	rantel citrate tablet (Banminth) @15mg/ kg body weight.
	the young ones		Use Buto	ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te against B.Q., F.M.D. & H.S. if not yet vaccinated.
	excepts the young	Tick	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
			and caus	e even death of the calves.
		Deworming	De-worm	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture				one 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 using happ	a net avoid	l escape 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 $(5^{th}\,to\,8^{th}\,October,2018)$

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Tamenglong $(10^{th} \text{ to } 14^{th} \text{ October}, 2018)$

E-mail: agromet_mnp@yahoo.co.uk

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 26-28 °C & minimum temp. 16-23 °C. Relative humidity may reach upto 99-100 %. The average wind speed may be 2-4 km/hr.

Date of issue: 9th October, 2018

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. 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
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heav
	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains in the field just
				after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleanin
	management			of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content o
				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.
TI d' le C				- Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops	G.	D ()	11	
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative			- Sowing may be done only after the soil attains optimum soil moisture level for
				sowing.
Potato	Sowing to early			 Avoid water logging in the field in which the crop is in vegetative stage. Land preparation for planting potato may be started after rains.
rotato	vegetative			- Collect seed tubers from reliable source and treated it with Sixer (Carbendazim +
	vegetative			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 to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
Core crops	transplanting			in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences	G			
Name of bird/ animal	Stage	Disease/		Agro-meteorological advisories
		Management		
Poultry (Chicken/	All age groups	Coccidiosis	Give Co	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Duck)				• • • • • • • • • • • • • • • • • • • •
Sheep/ Goat	All age groups	Vaccination	Vaccina	te against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give To	lzan-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			ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te 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
				se even death of the calves.
		Deworming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture	- Sampling of fish for g	rowth, disease sl	ould be do	one regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good
	quality water in fish cu			
	- Encircle fish culture p	onds using happ	a net avoi	d escape of grow-out fishes.



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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 $(5^{\rm th}$ to $8^{\rm th}$ October, 2018)

average wind speed was 1.3 - 2.7 km/hr.

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days &

Weather forecast for next five days of Thoubal (10th to 14th October, 2018)

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. $28-31~^{\circ}$ C & minimum temp. $18-19~^{\circ}$ C. Relative humidity may reach upto $98-99~^{\circ}$. The average wind speed may be 3-7~km/hr.

Date of issue: 9th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. 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
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heav
	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains in the field just
				after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleanin
	management			of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content o
				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.
TI d' le C				- Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops	G.	D ()	11	
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative			- Sowing may be done only after the soil attains optimum soil moisture level for
				sowing.
Potato	Sowing to early			 Avoid water logging in the field in which the crop is in vegetative stage. Land preparation for planting potato may be started after rains.
rotato	vegetative			- Collect seed tubers from reliable source and treated it with Sixer (Carbendazim +
	vegetative			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 to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
Core crops	transplanting			in Carbendazim @ 10g/5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences	G			
Name of bird/ animal	Stage	Disease/		Agro-meteorological advisories
		Management		
Poultry (Chicken/	All age groups	Coccidiosis	Give Co	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Duck)				• • • • • • • • • • • • • • • • • • • •
Sheep/ Goat	All age groups	Vaccination	Vaccina	te against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give To	lzan-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			ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te 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
				se even death of the calves.
		Deworming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture	- Sampling of fish for g	rowth, disease sl	ould be do	one regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good
	quality water in fish cu			
	- Encircle fish culture p	onds using happ	a net avoi	d 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 $(5^{\rm th}$ to $8^{\rm th}$ October, 2018)

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Ukhrul (10th to 14th October, 2018)

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 26-28 °C & minimum temp. 16-23 °C. Relative humidity may reach upto 98-100 %. The average wind speed may be 2-3 km/hr.

Date of issue: 9th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Field Crops	- Ci		**	
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy
n.	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains 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	dicasca	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative	1 est anu	uisease	- Sowing may be done only after the soil attains optimum soil moisture level for
Kabi vegetables	bowing to vegetative			sowing. - Avoid water logging in the field in which the crop is in vegetative stage.
Cole crops	Nursery to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
•	transplanting			in Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Coccidiosis	Give Coo	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Sheep/ Goat	All age groups	Vaccination	Vaccinat	e against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give Tol	zan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ ce daily.
Pig	All age groups except	Deworming	Give Mo	rantel citrate tablet (Banminth) @15mg/ kg body weight.
	the young ones		Use Buto	ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te against B.Q., F.M.D. & H.S. if not yet vaccinated.
	excepts the young	Tick	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
			and caus	e even death of the calves.
		Deworming	De-worm	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture				one 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 using happ	a net avoid	l 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: Bishnupur

Significant past weather for the preceding bi-weekly of Imphal - West $(5^{\rm th}$ to $8^{\rm th}$ October, 2018)

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6^{th} Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was $1.3-2.7\,$ km/ hr.

Weather forecast for next five days of Bishnupur (10th to 14th October, 2018)

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. $28-31~^{\circ}$ C & minimum temp. $18-19~^{\circ}$ C. Relative humidity may reach upto 99 %. The average wind speed may be 2-6~km/hr.

Date of issue: 9th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Warning

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. 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
	Grain filling to			- Maintain water level at 5-8 cm. Drain out excess water due to heavy to very heav
	maturity to			rains. Drainage system may be well constructed.
Rice	harvesting stage			- Harvest when 80% of the spikelet is yellow before rains.
Rapeseed/Mustard	Seed collection			- Procure quality seeds from reliable source for planting after rains in the field just
				after harvest of rice/ soybean/ groundnut/ black gram or rice bean.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleanin
	management			of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content o
				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.
TI d' le C				- Maintain optimum moisture level in godowns to avoid fungal growth.
Horticulture Crops	G.	D ()	11	
Name of the crop	Stage	Pest and	disease	Agro-meteorological advisories
Rabi vegetables	Sowing to vegetative			- Sowing may be done only after the soil attains optimum soil moisture level for
				sowing.
Potato	Sowing to early			 Avoid water logging in the field in which the crop is in vegetative stage. Land preparation for planting potato may be started after rains.
rotato	vegetative			- Collect seed tubers from reliable source and treated it with Sixer (Carbendazim +
	vegetative			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 to			- 25-30 days old seedlings may be transplanted in the open field after rains. Dip root
Core crops	transplanting			in Carbendazim @ 10g/5 lit of water for 30 min before transplanting in raised beds.
Fruit nursery	Planting			- Avoid planting of fruit nursery during rainy days.
Animal Sciences	G			
Name of bird/ animal	Stage	Disease/		Agro-meteorological advisories
		Management		
Poultry (Chicken/	All age groups	Coccidiosis	Give Co	ccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Duck)				• • • • • • • • • • • • • • • • • • • •
Sheep/ Goat	All age groups	Vaccination	Vaccina	te against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		Fascioliosis	Give To	lzan-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			ox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Cattle	All age groups	Vaccination		te 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
				se even death of the calves.
		Deworming	De-worn	n with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Fisheries				
Carp culture	- Sampling of fish for g	rowth, disease sl	ould be do	one regularly by netting. Maintain water level at a depth of 1.0m to 1.5m. Ensure good
	quality water in fish cu			
	- Encircle fish culture p	onds using happ	a net avoi	d 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: Chandel

Significant past weather for the preceding bi-weekly of Imphal - West (5th to 8th October, 2018)

Observed no rainfall with light fog during morning hours and mainly clear to partly cloudy sky during afternoon but mainly cloudy during morning of 6th Oct. Maximum temperature recorded ranged from 29.8 to 31.2 °C and minimum of 16.7 to 18.9 °C with mean relative humidity 87.3 % max and 48.5 % min was recorded in the past four days & average wind speed was 1.3 - 2.7 km/hr.

Weather forecast for next five days of Chandel (10th to 14th October, 2018)

Likely to have heavy to very heavy rainfall at isolated places over Wednesday and mainly cloudy to overcast sky with maximum temp. 28-31 °C & minimum temp. 18-19 °C. Relative humidity may reach upto 98-99 %. The average wind speed may be 2-5 km/hr.

Date of issue: 9th October, 2018

E-mail: agromet_mnp@yahoo.co.uk

Heavy to very heavy rainfall at isolated places over Manipur from 11th to 13th October, 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. Also, monitor that the sheds are well constructed to avoid water leakage and avoid water logging around the sheds. Add sanitizer in the drinking water.
- * Sprays mentioned below must be done after rains only.

Agro-meteorological advisories Inintain water level at 5-8 cm. Drain out excess water due to heavy to very heavy ins. Drainage system may be well constructed. In account when 80% of the spikelet is yellow before rains. In occure quality seeds from reliable source for planting after rains in the field just er harvest of rice/ soybean/ groundnut/ black gram or rice bean. In or seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or eight of charcoal and dry if required. Iclean godowns and spray with 1% Malathion on the walls before storage; also sure that it is well ventilated. In intain optimum moisture level in godowns to avoid fungal growth.
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Agro-meteorological advisories
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pers for 20 minutes and let it dry in shed before planting as preventive measure
ainst soil borne diseases.
5-30 days old seedlings may be transplanted in the open field after rains. Dip root Carbendazim @ 10g/ 5 lit of water for 30 min before transplanting in raised beds.
void planting of fruit nursery during rainy days.
Agro-meteorological advisories
r @ 2g/litre of drinking water for 5-7 days along with glucose.
inst F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ ily.
el citrate tablet (Banminth) @15mg/ kg body weight.
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