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ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



Date of issue: 12th December, 2018

MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

I	Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Bishnupur (13 th to 17 th Dec, 2018)
	No rainfall observed during the past four days. Shallow to dense fog was observed during	
	morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
	temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23-24 °C &
	of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 6-8 °C. Relative humidity may reach upto 86 % (max) and 70
	1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 3-4 km/hr.
	General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops							
Name of the crop Stage Pest and				d	Agro-meteorological advisories		
	disease						
Rapeseed/ Mustard	Vegetative				- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on Friday and Saturday.		
Field pea	Vegetative	Aphid			- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. - For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used.		
Potato	Vegetative to flowerin	owering Thrips			 Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water or Fipronil @ 2ml/ litre of water. Sufficient watering will increase moisture & inhibit their development. 		
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.		
Rabi maize	Land preparation to sowing		g		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.		
Seeds storage	Post-harvest manager	ment	ent		 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. 		
Horticulture Crops							
Name of the crop	Stage		Pest and disease		Agro-meteorological advisories		
Cole Crops	Curd/ head formation		leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.		
	harvesting of mid-sea		caterpillar				
var. and transplanting of late variety			- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.				
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.		
Garden pea	Vegetative				- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.		
Animal Sciences							
* Arrange for external heat source during night and early morning hours.							
Name of bird/ animal	Stage		Disease/ anagement		Agro-meteorological advisories		
Poultry (Chicken/	All age groups		cidiosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Duck)		Deworming Us		Use V	Ventrimizole @ 1g in 1 litre of drinking water for 3 days.		
					s of sheds should be covered with polythene sheets/hessian cloths during the night.		
Sheep/ Goat	All age groups		8		tters should be of 4.5 inches thick and stir it at regular interval.		
			0		inate against FMD, HS, BQ & Enterotoxaemia, etc.		
Pig	All age groups except	Dow	orming		endazole Plus Avermectin Table 6 mg/adult.		
1 Ig	the young ones				ect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the		
Cattle	All age groups	Vaco			inate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick			Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones		orming	Give	Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight 5ml/ 10 kg body weight (Ranizole) in lower altitude.		
			e and agement	Shed	r 5.5ml/ 10 kg body weight (Kanizole) in lower altitude. Sheds must be kept dry. Jse bedding materials		



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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 (7 th to 11 th Dec, 2018)	Weather forecast for Chandel (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23-24 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 6-8 °C. Relative humidity may reach upto 86 % (max) and 72
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 2-5 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops							
Name of the cropStagePest and			Pest an	d	Agro-meteorological advisories		
		diseas		rigto meteorological advisories			
Rapeseed/ Mustard Vegetative		-	- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on Friday and Saturday.				
Field pea Vegetative Aphid			- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. - For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used.				
Potato	Vegetative to flowering	e to flowering Thrips			 Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water or Fipronil @ 2ml/ litre of water. Sufficient watering will increase moisture & inhibit their development. 		
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.		
Rabi maize	e Land preparation to sowing			- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.			
Seeds storage	Post-harvest manage	arvest management			 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. 		
Horticulture Crops							
Name of the crop	Stage		Pest and disease		Agro-meteorological advisories		
Cole Crops	Curd/ head formation	n to	leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.		
cole crops	harvesting of mid-sea		caterpillar		opray rabendaninae (rame) e ami rone or water		
var. and transplanting of late variety			- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.				
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.		
Garden pea	Vegetative				Regularly monitor for soil moisture level in the crop field and insect pest infestation. Avoid plucking off of young shoots.		
Animal Sciences							
* Arrange for external he	at source during night and	l early m	orning hours	·.			
Name of bird/ animal	Stage)isease/ nagement		Agro-meteorological advisories		
Poultry (Chicken/	All age groups	Cocci	diosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Duck)		Dewo	rmino	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.			
		Mana	agement Litte		s of sheds should be covered with polythene sheets/hessian cloths during the night. rs should be of 4.5 inches thick and stir it at regular interval.		
Sheep/ Goat	All age groups	Dewo	orming - Giv		ive Ranizole suspension @ 3ml/ 10 kg body weight.		
		Vacci			inate against FMD, HS, BQ & Enterotoxaemia, etc.		
Pig	All age groups except				ndazole Plus Avermectin Table 6 mg/adult.		
	the young ones	Skin d			ect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the ion		
Cattle	All age groups	Vacci	nation	Vacc	inate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick		Use I	Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones	Dewo	rming		Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight 5ml/ 10 kg body weight (Ranizole) in lower altitude.		
		Care	and		Sheds must be kept dry.		
			gement		Use bedding materials		

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MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Churachandpur (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23-24 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 7-8 °C. Relative humidity may reach upto 86 % (max) and 78
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 3-4 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

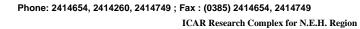
Field Crops							
Name of the crop	Stage		Pest an disease		Agro-meteorological advisories		
Rapeseed/ Mustard					- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on Friday and Saturday.		
Field pea	Vegetative		Aphid		- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. - For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used.		
Potato	Potato Vegetative to flowering		Thrips		 Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water or Fipronil @ 2ml/ litre of water. Sufficient watering will increase moisture & inhibit their development. 		
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.		
Rabi maize Land preparation to sowing				- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.			
Seeds storage	Seeds storage Post-harvest management				 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. 		
Horticulture Crops							
Name of the crop	Stage		Pest and disease		Agro-meteorological advisories		
harvesting of mid-season ca		leaf eating caterpillar Cut Worm		 Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water. If missing, cut or wilted plant is observed then search for larvae in the soil near 			
	late variety	goi			damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.		
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.		
Garden pea	Vegetative	egetative			 Regularly monitor for soil moisture level in the crop field and insect pest infestation. Avoid plucking off of young shoots. 		
Animal Sciences							
* Arrange for external heat source during night and early morning he			5.	As a sector of a fail of the fac			
Name of bird/ animal	Stage	Ma	Disease/ lanagement		Agro-meteorological advisories		
Poultry (Chicken/	All age groups	Cocci	idiosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Duck)		Dewo	orming	Use V	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.		
		Care Mana			s of sheds should be covered with polythene sheets/hessian cloths during the night. rs should be of 4.5 inches thick and stir it at regular interval.		
Sheep/ Goat	All age groups	Dewo			ive Ranizole suspension @ 3ml/ 10 kg body weight.		
		Vacci	ination Vacc		inate against FMD, HS, BQ & Enterotoxaemia, etc.		
Pig	All age groups except				bendazole Plus Avermectin Table 6 mg/adult.		
	the young ones	Skin	diseases Prote soluti		ect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the ion		
Cattle	All age groups		ination		inate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick			Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones	Dewo	orming	or 5.5	Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight 5ml/ 10 kg body weight (Ranizole) in lower altitude.		
		Care			Sheds must be kept dry.		
		Mana	agement	Use k	se bedding materials		

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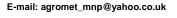
MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Imphal East (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23-24 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 6-8 °C. Relative humidity may reach upto 86 % (max) and 58
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 3-6 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops							
Name of the crop	Stage		Pest an	ıd	Agro-meteorological advisories		
chance of the crop		diseas					
Rapeseed/ Mustard	Vegetative				- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on		
_	-				Friday and Saturday.		
Field pea	Vegetative		Aphid		- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid.		
					- For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or		
					Pyrethrin may be used.		
Potato	Vegetative to flowering		Thrips		- Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water		
					or Fipronil @ 2ml/litre of water.		
Lentil				 Sufficient watering will increase moisture & inhibit their development. Thinning may be done where the plant population is high. Give life-saving irrigation. 			
	Vegetative	<u> </u>	-				
Rabi maize	Land preparation to sowing				- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with		
					60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.		
Seeds storage	Post-harvest manage	mont			 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of 		
Secus storage	1 Ust-hai vest manager	ment			seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight		
					of charcoal and dry if required.		
					- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure		
					that it is well ventilated. Avoid fungal growth and pest rodent in store.		
Horticulture Crops							
Name of the crop	Stage		Pest and disease		Agro-meteorological advisories		
Cole Crops	Curd/ head formation	n to	leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.		
	harvesting of mid-sea		caterpillar				
	var. and transplantin	g of	Cut Worm		- If missing, cut or wilted plant is observed then search for larvae in the soil near		
	late variety				damaged plant. If 5% or more of the plants have been cut then apply Phorate10G		
0.1					@25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.		
Onion	Vegetative				 Give life-saving irrigation. Keep soil moist during vegetative stage. Regularly monitor for soil moisture level in the crop field and insect pest infestation. 		
Garden pea	Vegetative				- Avoid plucking off of young shoots.		
Animal Sciences					- Avoid placking on or young shoots.		
	eat source during night and	l early 1	norning hours	2			
* Arrange for external heat source during night and early morning hours. Name of bird/ animal Stage Disease/			Agro-meteorological advisories				
	~	Ma	nagement				
Poultry (Chicken/	All age groups	Cocc	idiosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Duck)			Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.				
				Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.			
Sheep/ Goat	All age groups		0		re Ranizole suspension @ 3ml/ 10 kg body weight.		
Sheep/ Goat	An age groups		9				
		Vacc	ccination Vac		inate against FMD, HS, BQ & Enterotoxaemia, etc.		
Pig	All age groups except	Dewo			ndazole Plus Avermectin Table 6 mg/adult.		
	the young ones	Skin	diseases	Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the			
					solution		
Cattle	All age groups		ination		inate against B.Q., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick			Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones	Dewo	orming		Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight		
		C	and	or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.			
		Care	and agement	Sheds must be kept dry. Use hedding metanials			
		тиапа	agement	User	Jse bedding materials		







Date of issue: 12th December, 2018

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District:	Imn	hal	West
District.	Imp	iui	11031

Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Imphal West (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 6-8 °C. Relative humidity may reach upto 86 % (max) and 55
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 4-5 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops							
Name of the crop	Stage		Pest an	d	Agro-meteorological advisories		
			disease	e			
Rapeseed/ Mustard	Vegetative				- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on		
				Friday and Saturday.			
Field pea	Vegetative		Aphid		- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid.		
					- For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or		
					Pyrethrin may be used.		
Potato	Vegetative to flowering	ng	Thrips		- Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water or Fipronil @ 2ml/ litre of water.		
					- Sufficient watering will increase moisture & inhibit their development.		
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.		
Rabi maize	0	.			- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with		
Kabi maize	Land preparation to	sowing	\$		60cm width 40cm high ridges along east-west may be prepared after ploughing.		
					Southern face may be sown with maize and northern with pea seeds.		
Seeds storage	Post-harvest manage	ment			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of		
beeus storage	i ost-nai vest manage.	ment			seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight		
					of charcoal and dry if required.		
					- Clean godowns and spray with 1% Malathion on the walls before storage; also ensure		
					that it is well ventilated. Avoid fungal growth and pest rodent in store.		
Horticulture Crops							
Name of the crop	Stage		Pest and disea		Agro-meteorological advisories		
Cole Crops	Curd/ head formation	n to	leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.		
	harvesting of mid-sea	of mid-season caterpillar					
	var. and transplantin	g of	Cut Worm		- If missing, cut or wilted plant is observed then search for larvae in the soil near		
	late variety				damaged plant. If 5% or more of the plants have been cut then apply Phorate10G		
					@25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.		
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.		
Garden pea	Vegetative				- Regularly monitor for soil moisture level in the crop field and insect pest infestation.		
					- Avoid plucking off of young shoots.		
Animal Sciences			• 1				
* Arrange for external heavy Name of bird/ animal	at source auring night and Stage		morning nours Disease/	•	Agro-meteorological advisories		
Ivalle of bird/ alimai	Stage		anagement		Agro-meteorological advisories		
Poultry (Chicken/	All age groups		cidiosis	Cive	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Duck)	An age groups						
2 401.)		Dew	orming		Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.		
		Care			alls of sheds should be covered with polythene sheets/hessian cloths during the night.		
			agement		Litters should be of 4.5 inches thick and stir it at regular interval.		
Sheep/ Goat	All age groups	Dew	orming	- Giv	- Give Ranizole suspension @ 3ml/ 10 kg body weight.		
		Vaco	cination	Vacc	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.		
Pig	All age groups except	Deworming		Albe	Albendazole Plus Avermectin Table 6 mg/adult.		
				Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the			
	Joung ones			solut			
Cattle	All age groups				Vaccinate against B.O., F.M.D. & H.S. if not yet vaccinated.		
	excepts the young	Tick			Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones	0			Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight		
			0		or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		
				Shed	ls must be kept dry.		
		Man			bedding materials		







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ICAR Research Complex for N.E.H. Region

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"Gramin Krishi Mausam Seva"



Date of issue: 12th December, 2018

MANIPUR AGROMET ADVISORY BULLETIN

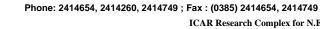
District: Senapati

Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Senapati (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 21-22 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 4 °C. Relative humidity may reach upto 86 % (max) and 56
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 3-5 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops							
Name of the crop	Stage		Pest and		Agro-meteorological advisories		
			disease				
Rapeseed/ Mustard	Vegetative	getative			- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on Friday and Saturday.		
Field pea	Vegetative	Vegetative			- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. - For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used.		
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.		
Rabi maize	Land preparation to	Land preparation to sowing			- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.		
Seeds storage	Post-harvest management				 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. 		
Horticulture Crops							
Name of the crop	Stage		Pest and dis	sease	Agro-meteorological advisories		
Cole Crops	Curd/ head formation	n to	leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.		
		rvesting of mid-season					
var. and transplanting of		g of	Cut Worm		- If missing, cut or wilted plant is observed then search for larvae in the soil near		
	late variety				damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.		
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.		
Garden pea	Vegetative				 Regularly monitor for soil moisture level in the crop field and insect pest infestation. Avoid plucking off of young shoots. 		
Animal Sciences							
	at source during night and			5.			
Name of bird/ animal	Stage		Disease/ nagement		Agro-meteorological advisories		
Poultry (Chicken/	All age groups	Cocci	idiosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
Duck)		Dewo	orming	ing Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.			
		Care	õ	Wall	s of sheds should be covered with polythene sheets/hessian cloths during the night. rs should be of 4.5 inches thick and stir it at regular interval.		
Sheep/ Goat	All age groups		orming		e Ranizole suspension @ 3ml/10 kg body weight.		
		Vacci	ination		inate against FMD, HS, BQ & Enterotoxaemia, etc.		
Pig	All age groups except	Deworming Alb			ndazole Plus Avermectin Table 6 mg/adult.		
	the young ones				ect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the ion		
Cattle	All age groups			Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.			
	excepts the young			Use 1	Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
					ve Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		
	Care and Management			Sheds must be kept dry. Use bedding materials			

(I. Meghachandra Singh) Nodal Officer, GKMS



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Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"



Date of issue: 12th December, 2018

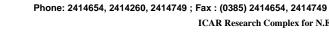
MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Tamenglong (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of $4.0 - 5.3$ °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23-24 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 7-8 °C. Relative humidity may reach upto 86 % (max) and 57
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 3-4 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops							
Name of the crop	Stage Pest a		Pest an	ıd	Agro-meteorological advisories		
	dis		diseas	e			
Rapeseed/ Mustard	Vegetative				- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on		
					Friday and Saturday.		
Field pea	Vegetative		Aphid		- Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid.		
					- For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or		
Datata	Variation to flamoui				Pyrethrin may be used. - Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water		
Potato	Vegetative to flowering	ng	g Thrips		or Fipronil @ 2ml/litre of water.		
					- Sufficient watering will increase moisture & inhibit their development.		
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.		
Rabi maize	Land preparation to	sowing			- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with		
Rubi indize	Luna preparation to	sowing			60cm width 40cm high ridges along east-west may be prepared after ploughing.		
					Southern face may be sown with maize and northern with pea seeds.		
Seeds storage	Post-harvest manager	ment			- 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		
Horticulture Crops					that it is well ventilated. Avoid fungal growth and pest rodent in store.		
· · · · · ·	C C		D (11)				
Name of the crop	Stage		Pest and dis	sease	Agro-meteorological advisories		
Cole Crops	Curd/ head formation harvesting of mid-sea	0			- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.		
	var. and transplantin		Cut Worm		- If missing, cut or wilted plant is observed then search for larvae in the soil near		
	late variety		Cut Worm		damaged plant. If 5% or more of the plants have been cut then apply Phorate10G		
					@25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.		
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.		
Garden pea	Vegetative	8			- Regularly monitor for soil moisture level in the crop field and insect pest infestation.		
	Ŭ				- Avoid plucking off of young shoots.		
Animal Sciences							
	at source during night and						
Name of bird/ animal	Stage		Disease/		Agro-meteorological advisories		
	411		nagement	C.			
Poultry (Chicken/ Duck)	All age groups		diosis		ive Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.		
DUCK)		Dewo	rming	Use V	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.		
		Care	and	Walls of sheds should be covered with polythene sheets/hessian cloths during the night.			
		Mana	gement		Litters should be of 4.5 inches thick and stir it at regular interval.		
Sheep/ Goat	All age groups	Dewo	rming	- Giv	re Ranizole suspension @ 3ml/ 10 kg body weight.		
		Vacci	nation	Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.			
Dia	All ago groups except						
Pig	the young ones Skin diseases Pr			Albendazole Plus Avermectin Table 6 mg/adult. Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the			
				Protect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the solution			
Cattle	All age groups	Vacci			accinate against B.O., F.M.D. & H.S. if not vet vaccinated.		
	excepts the young				Butox liquid @ 2ml/ litre water twice a week while brushing animals.		
	ones Deworm		rming		Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight		
					or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		
		Care and S			Sheds must be kept dry.		
		Mana			bedding materials		



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District:	Thoubal

Significant past weather for the preceding bi-weekly of Imphal West (7 th to 11 th Dec, 2018)	Weather forecast for Thoubal (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 23-24 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 6-8 °C. Relative humidity may reach upto 86 % (max) and 72
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 2-5 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops						
Name of the crop	Stage P		Pest an	ıd	Agro-meteorological advisories	
	Ŭ		diseas			
Rapeseed/ Mustard	Vegetative				- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on Friday and Saturday.	
Field pea	Vegetative	Aphid			 Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used. 	
Potato	Vegetative to flowerin	egetative to flowering Thrips			 Spray Tracer (Spinosad) 48 SC @ 300ml/ ha or Imidachloprid @ 1ml/3-4 litre of water or Fipronil @ 2ml/ litre of water. Sufficient watering will increase moisture & inhibit their development. 	
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.	
Rabi maize	Land preparation to	sowing	ġ.		- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.	
Seeds storage	Post-harvest management				 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store. 	
Horticulture Crops						
Name of the crop	Stage		Pest and disease		Agro-meteorological advisories	
Cole Crops	Curd/ head formation	1 to	leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.	
	harvesting of mid-sea					
	var. and transplantin late variety				- If missing, cut or wilted plant is observed then search for larvae in the soil near damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.	
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.	
Garden pea	Vegetative				 Regularly monitor for soil moisture level in the crop field and insect pest infestation. Avoid plucking off of young shoots. 	
Animal Sciences	•					
* Arrange for external hea	at source during night and			s.		
Name of bird/ animal	Stage		Disease/ anagement		Agro-meteorological advisories	
Poultry (Chicken/	All age groups	Cocc	cidiosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.	
Duck)		Dew	orming	Use V	se Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
		Care	e and agement	Wall	Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Litters should be of 4.5 inches thick and stir it at regular interval.	
Sheep/ Goat	All age groups		orming		re Ranizole suspension @ 3ml/ 10 kg body weight.	
Sheep/ Gout	in age groups		cination		Vaccinate against FMD, HS, BQ & Enterotoxaemia, etc.	
Pig	All age groups except			Albendazole Plus Avermectin Table 6 mg/adult.		
	the young ones	Skin diseases I			ect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the	
Cattle	All age groups				Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.	
	excepts the young				Butox liquid @ 2ml/ litre water twice a week while brushing animals.	
	ones Deworming G		Give	Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight 5ml/ 10 kg body weight (Ranizole) in lower altitude.		
					s must be kept dry.	
		Man			bedding materials	





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"Gramin Krishi Mausam Seva"

Date of issue: 12th December, 2018

MANIPUR AGROMET ADVISORY BULLETIN

District:	Ukhrul

Significant past weather for the preceding bi-weekly of Imphal West (7th to 11th Dec, 2018)	Weather forecast for Ukhrul (13 th to 17 th Dec, 2018)
No rainfall observed during the past four days. Shallow to dense fog was observed during	
morning hours and the sky remained mainly clear during afternoon hours. Maximum	Likely to have light rains during Friday to Saturday and partly cloudy to
temperature ranged from 22.9 - 24.1 °C and minimum of 4.0 – 5.3 °C. Mean relative humidity	mainly cloudy sky during next five days with maximum temp. 21-22 °C &
of 90.5 % max and 38.8 % min was recorded in the past four days & average wind speed was	minimum temp. 4 °C. Relative humidity may reach upto 86 % (max) and 59
1.2 - 1.7 km/ hr.	% (min). The average wind speed may be 3-5 km/hr.
General Advisories:	

* Light watering on young plants during morning hours may be done to reduce the adverse effects of fog or frost on rabi vegetables. * Regularly monitor for the moisture level of the soil. If the soil is too dry, give light irrigation.

Field Crops					
Name of the crop	Stage		Pest and		Agro-meteorological advisories
			disease	e	
Rapeseed/ Mustard	Vegetative				- If the soil is too dry, give life-saving irrigation as there is likely to have light rains on Friday and Saturday.
Field pea	Vegetative	Vegetative			 Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used.
Lentil	Vegetative				- Thinning may be done where the plant population is high. Give life-saving irrigation.
Rabi maize	Land preparation to	Land preparation to sowing			- Sowing of rabi maize may be started. It may be sown as intercrop with pulses with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Seeds storage	Post-harvest management				 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Clean godowns and spray with 1% Malathion on the walls before storage; also ensure that it is well ventilated. Avoid fungal growth and pest rodent in store.
Horticulture Crops					
Name of the crop	Stage		Pest and dis	ease	Agro-meteorological advisories
Cole Crops	Curd/ head formation	n to	leaf eating		- Spray Flubendiamide (Fame) @ 2ml/ 10 lit of water.
	harvesting of mid-sea		caterpillar		
		var. and transplanting of			- If missing, cut or wilted plant is observed then search for larvae in the soil near
	late variety				damaged plant. If 5% or more of the plants have been cut then apply Phorate10G @25kg/ha or Metarrhizium anisopliae @ 5ml/ lit water.
Onion	Vegetative				- Give life-saving irrigation. Keep soil moist during vegetative stage.
Garden pea	Vegetative				- Regularly monitor for soil moisture level in the crop field and insect pest infestation. - Avoid plucking off of young shoots.
Animal Sciences					
* Arrange for external hea	at source during night and	l early r	morning hours		
Name of bird/ animal	Stage		Disease/ magement		Agro-meteorological advisories
Poultry (Chicken/	All age groups		idiosis	Give	Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
Duck)		Dewo	orming	Use	Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Care	and	Wall	s of sheds should be covered with polythene sheets/hessian cloths during the night.
			agement		rs should be of 4.5 inches thick and stir it at regular interval.
Sheep/ Goat	All age groups		orming		re Ranizole suspension @ 3ml/ 10 kg body weight.
		Vacc	5		inate against FMD, HS, BQ & Enterotoxaemia, etc.
Pig	All age groups except	Dewo	Deworming Alber		ndazole Plus Avermectin Table 6 mg/adult.
	the young ones	Skin diseases Prote		Prote solut	ect from skin disease by using Deltamethrin solution @2ml/lit. Of water and bath with the ion
Cattle	All age groups				inate against B.Q., F.M.D. & H.S. if not yet vaccinated.
	excepts the young	Tick	Tick Use		Butox liquid @ 2ml/ litre water twice a week while brushing animals.
	ones	Deworming		Give	Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight
		~			5ml/ 10 kg body weight (Ranizole) in lower altitude.
					ls must be kept dry.
		Mana	agement	Use	bedding materials

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