

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 (15<sup>th</sup> to 17<sup>th</sup> January, 19) **No** rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 – 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

Weather forecast for Churachandpur (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear afternoon sky during next five days with max. temp. 25 °C & mini. temp. 3 °C. Relative humidity may reach upto 88 % (max) and 31 % (min). The average wind speed may be 4 km/hr.

Date of issue: 18th January, 2019

## **General Advisories:**

Field Crops	G:						
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories			
Rapeseed/ Mustard	Vegetative to e flowering	arly		- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.			
			Aphid	- Use yellow plates for every 3 sq. m to attract the aphids or spray Pyrethrum @ 2ml/ litre of water on the infected patches. For organic control against aphid,			
			Powdery mildew and	sprays that consist of Azadirachtin or neem oil may be used Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic			
Tital and Taxadi	¥74.4°4		white rust	Bulb Extract (ST) @ 1% or Trichoderma harzianum.			
Field pea/ Lentil	Vegetative to e flowering	агіу	Powdery mildew and rust	- Spray Neem Seed Kernel Extract at 5% concentration for powdery mildew and Nimbicidin (0.3%) against rust.			
			Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.			
Potato	Vegetative to to initiation	uber	Cut worm	If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface.			
Seeds storage	Post-harvest Management			<ul> <li>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.</li> <li>Avoid fungal growth and pest rodent in store.</li> </ul>			
Horticulture Crops							
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories			
Cole crops	Vegetative to h	ead	Diamond Black Moth				
	formation		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.			
Tomato	omato Vegetative		Early blight	- Apply Dichlorovos @ 0.5ml/ litre of water or Imidachlorpid @ 2ml/ 5 litres of water. Also apply Dithane M 45 @ 2g/ litre of water.			
Garden pea/ Broad bea	Garden pea/ Broad bean Flowering to fr		Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.			
Banana			Fruit rot and leaf spot	- Spray Hexaconazole 5% EC @ 1ml/ litre of water.			
Tree-Bean	Pre-bearing an bearing trees	ıd	bark borer/ termites	- 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites.			
Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility.			
Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water melon, etc. may be raised under polyhouse.			
Animal Sciences							
* Arrange for external l							
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories			
Poultry (Chicken/ Duck)	All age groups	Care and Management		Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night.  Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.			
		~ .		Litters should be of 4.5 inches thick and stir it at regular interval.			
		Gumb	oro	- Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.			
Sheep/ Goat	All age groups		gious Caprine o-pneumonia (CCPP)	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.			
Pig	All age groups Dewor		ming	Albendazole Plus Avermectin Table 6 mg/adult.			
	except the young		lial infection	Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days.			
	ones	Skin d	iseases	Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution.			
Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.			
	excepts the young ones	Dewoi	ming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.			
		Care a	and Management	Sheds must be kept dry. Use 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: Imphal East

Significant past weather for the preceding bi-weekly of Imphal West (15<sup>th</sup> to 17<sup>th</sup> January, 19) **No** rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 – 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

# Weather forecast for Imphal East (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear to partly cloudy afternoon sky during next five days with max. temp. 24-26 °C & mini. temp. 3 - 4 °C. Relative humidity may reach upto 95 % (max) and 29 % (min). The average wind speed may be

Date of issue: 18th January, 2019

#### **General Advisories:**

Rapesced Mustard   Agro-meteorological advisories   Agro-meteoro	Field Crops								
Vegetative to early		Stage		Pest and disease	Agro-meteorological advisories				
Powdery mildew and   Powdery mildew and   Sprays Red consist of Audirachtin or nem oil may be used.		Vegetative to e	arly	T OUT WITH WIDOWS	- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.				
Seeds storage   Post-harvest   Management   Power				Aphid	2ml/litre of water on the infected patches. For organic control against aphid,				
Potato   Vegetative to tuber initiation   Vegetative to lower point   Powering to fruiting				_	Bulb Extract (ST) @ 1% or Trichoderma harzianum.				
Potato   Vegetative to tuber initiation   Cut worm   If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon (mixture of 1kg husk + 40g sugar + 1kg su	Field pea/ Lentil		arly	rust					
Initiation   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Seeds storage   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Post-harves				Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.				
Post-harvest   Post-harvest   Post-harvest   Pest and disease   Pest and disease   Pest and disease   Cole crops   Vegetative to head formation   Cabbage Borer   Cabbage Borer   Capply Carbaryl 50% WP formulation @ Lofnly 5 litre water.	Potato	0	uber	Cut worm	husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the				
Name of the crop	Seeds storage				<ul> <li>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.</li> </ul>				
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Horticulture Crops								
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Name of the crop	Stage		Pest and disease	Agro-meteorological advisories				
Cabbage Borer   -Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.			ead						
Sarden pea/ Broad bean   Flowering to Fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g 10 litres of water against powdery mildew and yellow rust   Spray Hexaconazole 5% EC @ Iml/ litre of water.	•	0		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.				
Flowering to fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow respectably to the crops grown in moist/shady area.    Presearch   Presearch   Spray Bayleton @ 7 g/ 10 litres of water against powders   Spray Bayleton @ 10 litres of water   Spray Bayleton @ 10 litres   Spray Ba	Tomato	Tomato Vegetative		Early blight					
Pre-Bean	Garden pea/ Broad bear	n Flowering to fr	uiting		- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust				
Pre-bearing and bearing trees   Discase   Discase   Management   Protect animals   Discase   Management   Protect animals   Discase   Management   Duck   Discase   Care and Management   Management   Management   Care and Management   Man	Banana								
Cucurbits	Tree-Bean		d						
Cucurbits	Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility.				
*Arrange for external heat source during night and early morning hours.  Name of bird/ animal  Poultry (Chicken/Duck)  All age groups  Care and Management  Care and Management  Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.  Gumboro  Sheep/ Goat  All age groups  except the young ones  All age groups  except the young ones  All age groups  except the young ones  Tick  Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water				
Name of bird/ animal   Stage   Disease/ Management   Agro-meteorological advisories	Animal Sciences								
Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.    Gumboro   Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.									
Duck)    Covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.   Gumboro	Name of bird/ animal	Stage	Dis	ease/ Management					
Sheep/ Goat  All age groups Pig All age groups except the young ones  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cocidial infection Deworming Albendazole Plus Avermectin Table 6 mg/adult. Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days. Protect from skin diseases by using Deltamethrin solution @2ml/litre water and bath with the solution.  Cattle  All age groups excepts the young ones  Tick Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	* *			and Management	covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.				
Pig All age groups except the young ones  All age groups  Except the young ones  Except the young ones  All age groups  Except the young ones  Except the young ones  Except the young ones  Except the young ones  All age groups  Except the young ones  Exc			Gumb	oro					
Pig All age groups except the young ones Cattle All age groups except the young ones  All age groups except the young ones  All age groups excepts the young ones  All age gro	Sheep/ Goat	All age groups		_	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.				
except the young ones    Coccidial infection of Description of Description ones	Pig	All age groups			Albendazole Plus Avermectin Table 6 mg/adult.				
Cattle All age groups excepts the young ones  with the solution. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.									
excepts the young ones    Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		ones Skin		iseases	with the solution.				
young ones weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.				
Care and Management Sheds must be kept dry. Use bedding materials.		-	Dewor	ming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body				
			Care a	and Management	Sheds must be kept dry. Use 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: Imphal West

Significant past weather for the preceding bi-weekly of Imphal West (15<sup>th</sup> to 17<sup>th</sup> January, 19) **No** rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 – 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

# Weather forecast for Imphal West (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear to partly cloudy afternoon sky during next five days with max. temp. 25-26 °C & mini. temp. 4 °C. Relative humidity may reach upto 95 % (max) and 32 % (min). The average wind speed may be

Date of issue: 18th January, 2019

#### **General Advisories:**

Rapesced Mustard   Agro-meteorological advisories   Agro-meteoro	Field Crops								
Vegetative to early		Stage		Pest and disease	Agro-meteorological advisories				
Powdery mildew and   Powdery mildew and   Sprays Red consist of Audirachtin or nem oil may be used.		Vegetative to e	arly	T OUT WITH WIDOWS	- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.				
Seeds storage   Post-harvest   Management   Power				Aphid	2ml/litre of water on the infected patches. For organic control against aphid,				
Potato   Vegetative to tuber initiation   Vegetative to lower point   Powering to fruiting				_	Bulb Extract (ST) @ 1% or Trichoderma harzianum.				
Potato   Vegetative to tuber initiation   Cut worm   If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon (mixture of 1kg husk + 40g sugar + 1kg su	Field pea/ Lentil		arly	rust					
Initiation   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Seeds storage   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Post-harves				Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.				
Post-harvest   Post-harvest   Post-harvest   Pest and disease   Pest and disease   Pest and disease   Cole crops   Vegetative to head formation   Cabbage Borer   Cabbage Borer   Capply Carbaryl 50% WP formulation @ Lofnly 5 litre water.	Potato	0	uber	Cut worm	husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the				
Name of the crop	Seeds storage				<ul> <li>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.</li> </ul>				
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Horticulture Crops								
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Name of the crop	Stage		Pest and disease	Agro-meteorological advisories				
Cabbage Borer   -Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.			ead						
Sarden pea/ Broad bean   Flowering to Fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g 10 litres of water against powdery mildew and yellow rust   Spray Hexaconazole 5% EC @ Iml/ litre of water.	•	0		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.				
Flowering to fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow respectably to the crops grown in moist/shady area.    Presearch   Presearch   Spray Bayleton @ 7 g/ 10 litres of water against powders   Spray Bayleton @ 10 litres of water   Spray Bayleton @ 10 litres   Spray Ba	Tomato	Tomato Vegetative		Early blight					
Pre-Bean	Garden pea/ Broad bear	n Flowering to fr	uiting		- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust				
Pre-bearing and bearing trees   Discase   Discase   Management   Protect animals   Discase   Management   Protect animals   Discase   Management   Duck   Discase   Care and Management   Management   Management   Care and Management   Man	Banana								
Cucurbits	Tree-Bean		d						
Cucurbits	Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility.				
*Arrange for external heat source during night and early morning hours.  Name of bird/ animal  Poultry (Chicken/Duck)  All age groups  Care and Management  Care and Management  Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.  Gumboro  Sheep/ Goat  All age groups  except the young ones  All age groups  except the young ones  All age groups  except the young ones  Tick  Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water				
Name of bird/ animal   Stage   Disease/ Management   Agro-meteorological advisories	Animal Sciences								
Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.    Gumboro   Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.									
Duck)    Covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.   Gumboro	Name of bird/ animal	Stage	Dis	ease/ Management					
Sheep/ Goat  All age groups Pig All age groups except the young ones  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cocidial infection Deworming Albendazole Plus Avermectin Table 6 mg/adult. Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days. Protect from skin diseases by using Deltamethrin solution @2ml/litre water and bath with the solution.  Cattle  All age groups excepts the young ones  Tick Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	* *			and Management	covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.				
Pig All age groups except the young ones  All age groups  Except the young ones  Except the young ones  All age groups  Except the young ones  Except the young ones  Except the young ones  Except the young ones  All age groups  Except the young ones  Exc			Gumb	oro					
Pig All age groups except the young ones Cattle All age groups except the young ones  All age groups except the young ones  All age groups excepts the young ones  All age gro	Sheep/ Goat	All age groups		_	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.				
except the young ones    Coccidial infection of Description of Description ones	Pig	All age groups			Albendazole Plus Avermectin Table 6 mg/adult.				
Cattle All age groups excepts the young ones  with the solution. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.									
excepts the young ones    Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		ones Skin		iseases	with the solution.				
young ones weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.				
Care and Management Sheds must be kept dry. Use bedding materials.		-	Dewor	ming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body				
			Care a	and Management	Sheds must be kept dry. Use 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: Senapati

Significant past weather for the preceding bi-weekly of Imphal West ( $15^{th}$  to  $17^{th}$  January, 19) No rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 - 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

## Weather forecast for Senapati (19th to 23rd January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear afternoon sky during next five days with max. temp. 22-23 °C & mini. temp. 2-3 °C. Relative humidity may reach upto 92 % (max) and 32 % (min). The average wind speed may be 4-5 km/hr.

Date of issue: 18th January, 2019

## **General Advisories:**

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative to e	arly		- If flowering has started, then four bee boxes (colonies) may be kept for one hectar
	flowering			crop area. Avoid spray of insecticides in such area.
			Aphid	- Use yellow plates for every 3 sq. m to attract the aphids or spray Pyrethrum @
				2ml/ litre of water on the infected patches. For organic control against aphid,
				sprays that consist of Azadirachtin or neem oil may be used.
			Powdery mildew and	- Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic
			white rust	Bulb Extract (ST) @ 1% or Trichoderma harzianum.
Field pea/ Lentil	Vegetative to e	arly	Powdery mildew and	- Spray Neem Seed Kernel Extract at 5% concentration for powdery mildew and
	flowering		rust	Nimbicidin (0.3%) against rust.
			Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleanin
Ö	Management			of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content of
				weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cole crops	Vegetative to h	ead	Diamond Black Moth	
	formation		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.
Garden pea/ Broad bea	n Flowering to fr	niting	Powdery mildew and	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rus
our der peur 21 oud seu		g	vellow rust	especially to the crops grown in moist/ shady area.
Banana			Fruit rot and leaf	- Spray Hexaconazole 5% EC @ 1ml/litre of water.
Dununu			spot	Spray Resident 2010 2 min nere of waters
Tree-Bean	Pre-bearing an	ıd	bark borer/ termites	- 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure
	bearing trees			against bark borer/ termites.
Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water
				melon, etc. may be raised under polyhouse.
Animal Sciences				
* Arrange for external h	eat source during nig			
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/	All age groups	age groups		Protect animals/ birds from sudden drop in temperature. Walls of sheds should be
Duck)				covered with polythene sheets/hessian cloths during the night.
,				Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.
				Litters should be of 4.5 inches thick and stir it at regular interval.
		Gumb	oro	- Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.
Sheep/ Goat	All age groups	Conta	gious Caprine	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.
опсери соше	in age groups		p-pneumonia (CCPP)	vaccinate against contagrous caprine ratery pheamoma intra actinany.
Pig			rming	Albendazole Plus Avermectin Table 6 mg/adult.
Ö	except the young	Coccio	lial infection	Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days.
	ones		iseases	Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath
		Sami discuses		with the solution.
Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
	excepts the	Deworming		Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg bod
	young ones			weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
	•	C	and Management	Sheds must be kept dry. Use 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: Tamenglong

Significant past weather for the preceding bi-weekly of Imphal West ( $15^{th}$  to  $17^{th}$  January, 19) No rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 - 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

## Weather forecast for Tamenglong (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear afternoon sky during next five days with max. temp. 22-23 °C & mini. temp. 2 - 3 °C. Relative humidity may reach upto 92 % (max) and 31 % (min). The average wind speed may be 4 km/hr.

Date of issue: 18th January, 2019

## **General Advisories:**

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative to e flowering	arly		- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.
			Aphid	- Use yellow plates for every 3 sq. m to attract the aphids or spray Pyrethrum @ 2ml/ litre of water on the infected patches. For organic control against aphid, sprays that consist of Azadirachtin or neem oil may be used.
			Powdery mildew and white rust	- Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> .
Field pea/ Lentil	Vegetative to e	arly	Powdery mildew and	- Spray Neem Seed Kernel Extract at 5% concentration for powdery mildew and
<b>F</b>	flowering		rust	Nimbicidin (0.3%) against rust.  Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.
<b>.</b>	**		Downey Mildew	***
Potato	Vegetative to to initiation	uber	Cut worm	If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface.
Seeds storage	Post-harvest Management			<ul> <li>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.</li> <li>Avoid fungal growth and pest rodent in store.</li> </ul>
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cole crops	Vegetative to h	ead	Diamond Black Moth	- Spray Spinosad 2.5% SC @ 6-7 ml/ 5 litre water.
	formation		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.
Tomato	Vegetative		Early blight	- Apply Dichlorovos @ 0.5ml/ litre of water or Imidachlorpid @ 2ml/ 5 litres of water. Also apply Dithane M 45 @ 2g/ litre of water.
Garden pea/ Broad bea	n Flowering to fr	uiting	Powdery mildew and vellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Banana			Fruit rot and leaf	- Spray Hexaconazole 5% EC @ 1ml/ litre of water.
Tree-Bean	Pre-bearing an bearing trees	ıd	bark borer/ termites	- 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites.
Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg ureal sangam depending upon the fertility.
Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water melon, etc. may be raised under polyhouse.
Animal Sciences				
* Arrange for external l				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/	All age groups	Care a	and Management	Protect animals/ birds from sudden drop in temperature. Walls of sheds should be
Duck)				covered with polythene sheets/hessian cloths during the night.
				Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.
		<u> </u>		Litters should be of 4.5 inches thick and stir it at regular interval.
		Gumb		- Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.
Sheep/ Goat	All age groups		gious Caprine -pneumonia (CCPP)	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.
Pig			rming	Albendazole Plus Avermectin Table 6 mg/adult.
	except the young		lial infection	Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days.
	ones Skin o		iseases	Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution.
Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
	excepts the young ones	Dewor	rming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.
	,	Care a		Sheds must be kept dry. Use 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 (15<sup>th</sup> to 17<sup>th</sup> January, 19) **No** rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 – 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

## Weather forecast for Thoubal (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear to partly cloudy afternoon sky during next five days with max. temp. 25 °C & mini. temp. 3 °C. Relative humidity may reach upto 85 % (max) and 33 % (min). The average wind speed may be 2-4

Date of issue: 18<sup>th</sup> January, 2019

#### **General Advisories:**

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative to e flowering	arly		- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.
			Aphid	- Use yellow plates for every 3 sq. m to attract the aphids or spray Pyrethrum @ 2ml/ litre of water on the infected patches. For organic control against aphid, sprays that consist of Azadirachtin or neem oil may be used.
			Powdery mildew and white rust	- Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> .
Field pea/ Lentil	Vegetative to e flowering	arly	Powdery mildew and rust Downey Mildew	- Spray Neem Seed Kernel Extract at 5% concentration for powdery mildew and Nimbicidin (0.3%) against rust. Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.
Potato	Vegetative to to initiation	ıber	Cut worm	If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface.
Seeds storage	Post-harvest Management			<ul> <li>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.</li> <li>Avoid fungal growth and pest rodent in store.</li> </ul>
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cole crops	Vegetative to h	ead	Diamond Black Moth	- Spray Spinosad 2.5% SC @ 6-7 ml/ 5 litre water.
	formation		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.
Tomato	Vegetative		Early blight	- Apply Dichlorovos @ 0.5ml/ litre of water or Imidachlorpid @ 2ml/ 5 litres of water. Also apply Dithane M 45 @ 2g/ litre of water.
Garden pea/ Broad bea	n Flowering to fr	uiting	Powdery mildew and vellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust especially to the crops grown in moist/ shady area.
Banana			Fruit rot and leaf	- Spray Hexaconazole 5% EC @ 1ml/ litre of water.
Tree-Bean	Pre-bearing an bearing trees	d	bark borer/ termites	- 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites.
Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility.
Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water melon, etc. may be raised under polyhouse.
Animal Sciences				
* Arrange for external h				
Name of bird/ animal	Stage	Disease/ Management		Agro-meteorological advisories
Poultry (Chicken/ Duck)	(Chicken/ All age groups		and Management	Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night.  Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.  Litters should be of 4.5 inches thick and stir it at regular interval.
		Gumb	oro	- Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.
Sheep/ Goat	All age groups	-	gious Caprine -pneumonia (CCPP)	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.
Pig	All age groups	Dewor	ming	Albendazole Plus Avermectin Table 6 mg/adult.
	except the young		lial infection	Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days.
	ones	Skin diseases		Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution.
Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
	excepts the young ones			Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight ( Ranizole) in lower altitude.
		Care and Management		Sheds must be kept dry. Use 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: Ukhrul

Significant past weather for the preceding bi-weekly of Imphal West ( $15^{th}$  to  $17^{th}$  January, 19) No rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 - 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

# Weather forecast for Ukhrul (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear afternoon sky during next five days with max. temp. 22-23 °C & mini. temp. 2-3 °C. Relative humidity may reach upto 95 % (max) and 33 % (min). The average wind speed may be 4-5 km/hr.

Date of issue: 18th January, 2019

### General Advisories:

Field Crops	<u></u>			
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Rapeseed/ Mustard	Vegetative to e flowering	arly		- If flowering has started, then four bee boxes (colonies) may be kept for one hectar- crop area. Avoid spray of insecticides in such area.
			Aphid	- Use yellow plates for every 3 sq. m to attract the aphids or spray Pyrethrum @ 2ml/ litre of water on the infected patches. For organic control against aphid, sprays that consist of Azadirachtin or neem oil may be used.
			Powdery mildew and white rust	- Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or <i>Trichoderma harzianum</i> .
Field pea/ Lentil	Vegetative to e flowering	arly	Powdery mildew and rust	- Spray Neem Seed Kernel Extract at 5% concentration for powdery mildew and Nimbicidin (0.3%) against rust.
			Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.
Seeds storage	Post-harvest Management			<ul> <li>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.</li> <li>Avoid fungal growth and pest rodent in store.</li> </ul>
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cole crops	Vegetative to h	ead	Diamond Black Moth	- Spray Spinosad 2.5% SC @ 6-7 ml/ 5 litre water.
	formation		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.
Garden pea/ Broad bea	n Flowering to fr	uiting	Powdery mildew and yellow rust	- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rus especially to the crops grown in moist/ shady area.
Banana			Fruit rot and leaf spot	- Spray Hexaconazole 5% EC @ 1ml/ litre of water.
Tree-Bean Pre-bearing bearing tree		ıd	bark borer/ termites	- 20g Carbofuran 3G/ plant may be in-corporated in soil as prophylactic measure against bark borer/ termites.
Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water melon, etc. may be raised under polyhouse.
Animal Sciences				
* Arrange for external h	eat source during nig	ht and e	arly morning hours.	
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	Care a	and Management	Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.
		~ .		Litters should be of 4.5 inches thick and stir it at regular interval.
		Gumb	oro	- Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.
Sheep/ Goat	All age groups	Contagious Caprine Pluero-pneumonia (CCPP)		- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.
Pig	All age groups	Dewor		Albendazole Plus Avermectin Table 6 mg/adult.
	except the young	Coccio	lial infection	Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days.
	ones	Skin d	iseases	Protect from skin disease by using Deltamethrin solution @2ml/litre water and bath with the solution.
Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
	excepts the young ones	Dewor	ming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg bod weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.
	•	Coro	nd Management	Sheds must be kept dry. Use 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: Bishnupur

Significant past weather for the preceding bi-weekly of Imphal West (15<sup>th</sup> to 17<sup>th</sup> January, 19) **No** rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 – 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

# Weather forecast for Bishnupur (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear to partly cloudy afternoon sky during next five days with max. temp. 25 °C & mini. temp. 3 °C. Relative humidity may reach upto 85 % (max) and 33 % (min). The average wind speed may be 2-4

Date of issue: 18<sup>th</sup> January, 2019

#### **General Advisories:**

Rapesced Mustard   Agro-meteorological advisories   Agro-meteoro	Field Crops								
Vegetative to early		Stage		Pest and disease	Agro-meteorological advisories				
Powdery mildew and   Powdery mildew and   Sprays Red consist of Audirachtin or nem oil may be used.		Vegetative to e	arly	T OUT WITH WIDOWS	- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.				
Seeds storage   Post-harvest   Management   Power				Aphid	2ml/litre of water on the infected patches. For organic control against aphid,				
Potato   Vegetative to tuber initiation   Vegetative to lower point   Powering to fruiting				_	Bulb Extract (ST) @ 1% or Trichoderma harzianum.				
Potato   Vegetative to tuber initiation   Cut worm   If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon (mixture of 1kg husk + 40g sugar + 1kg su	Field pea/ Lentil		arly	rust					
Initiation   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Seeds storage   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Post-harves				Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.				
Post-harvest   Post-harvest   Post-harvest   Pest and disease   Pest and disease   Pest and disease   Cole crops   Vegetative to head formation   Cabbage Borer   Cabbage Borer   Capply Carbaryl 50% WP formulation @ Lofnly 5 litre water.	Potato	0	uber	Cut worm	husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the				
Name of the crop	Seeds storage				<ul> <li>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.</li> </ul>				
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Horticulture Crops								
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Name of the crop	Stage		Pest and disease	Agro-meteorological advisories				
Cabbage Borer   -Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.			ead						
Sarden pea/ Broad bean   Flowering to Fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g 10 litres of water against powdery mildew and yellow rust   Spray Hexaconazole 5% EC @ Iml/ litre of water.	•	0		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.				
Flowering to fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow respectably to the crops grown in moist/shady area.    Presearch   Presearch   Spray Bayleton @ 7 g/ 10 litres of water against powders   Spray Bayleton @ 10 litres of water   Spray Bayleton @ 10 litres   Spray Ba	Tomato	Tomato Vegetative		Early blight					
Pre-Bean	Garden pea/ Broad bear	n Flowering to fr	uiting		- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust				
Pre-bearing and bearing trees   Discase   Discase   Management   Protect animals   Discase   Management   Protect animals   Discase   Management   Duck   Discase   Care and Management   Management   Management   Care and Management   Man	Banana								
Cucurbits	Tree-Bean		d						
Cucurbits	Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility.				
*Arrange for external heat source during night and early morning hours.  Name of bird/ animal  Poultry (Chicken/Duck)  All age groups  Care and Management  Care and Management  Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.  Gumboro  Sheep/ Goat  All age groups  except the young ones  All age groups  except the young ones  All age groups  except the young ones  Tick  Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water				
Name of bird/ animal   Stage   Disease/ Management   Agro-meteorological advisories	Animal Sciences								
Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.    Gumboro   Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.									
Duck)    Covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.   Gumboro	Name of bird/ animal	Stage	Dis	ease/ Management					
Sheep/ Goat  All age groups Pig All age groups except the young ones  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cocidial infection Deworming Albendazole Plus Avermectin Table 6 mg/adult. Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days. Protect from skin diseases by using Deltamethrin solution @2ml/litre water and bath with the solution.  Cattle  All age groups excepts the young ones  Tick Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	* *			and Management	covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.				
Pig All age groups except the young ones  All age groups  Except the young ones  Except the young ones  All age groups  Except the young ones  Except the young ones  Except the young ones  Except the young ones  All age groups  Except the young ones  Exc			Gumb	oro					
Pig All age groups except the young ones Cattle All age groups except the young ones  All age groups except the young ones  All age groups excepts the young ones  All age gro	Sheep/ Goat	All age groups		_	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.				
except the young ones    Coccidial infection of Description of Description ones	Pig	All age groups			Albendazole Plus Avermectin Table 6 mg/adult.				
Cattle All age groups excepts the young ones  with the solution. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.									
excepts the young ones    Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		ones Skin		iseases	with the solution.				
young ones weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.				
Care and Management Sheds must be kept dry. Use bedding materials.		-	Dewor	ming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body				
			Care a	and Management	Sheds must be kept dry. Use 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: Chandel

Significant past weather for the preceding bi-weekly of Imphal West (15<sup>th</sup> to 17<sup>th</sup> January, 19) **No** rainfall was observed during the past three days. The skies remained clear but foggy during morning hours of  $17^{th}$  Jan. Maximum temperature ranged from 24.0 - 24.5 °C and minimum of 3.5 – 4.6 °C. Mean relative humidity of 91 % max and 34 % min was recorded in the past three days & average wind speed was 1.4 - 2.8 km/ hr.

## Weather forecast for Chandel (19<sup>th</sup> to 23<sup>rd</sup> January, 2019)

E-mail: agromet\_mnp@yahoo.co.uk

Likely to have no rains and shallow to moderate fog during morning hours at isolated places and mainly clear to partly cloudy afternoon sky during next five days with max. temp. 25 °C & mini. temp. 3 °C. Relative humidity may reach upto 86 % (max) and 38 % (min). The average wind speed may be 4-5

Date of issue: 18<sup>th</sup> January, 2019

#### **General Advisories:**

Rapesced Mustard   Agro-meteorological advisories   Agro-meteoro	Field Crops								
Vegetative to early		Stage		Pest and disease	Agro-meteorological advisories				
Powdery mildew and   Powdery mildew and   Sprays Red consist of Audirachtin or nem oil may be used.		Vegetative to e	arly	T OUT WITH WIDOWS	- If flowering has started, then four bee boxes (colonies) may be kept for one hectare crop area. Avoid spray of insecticides in such area.				
Seeds storage   Post-harvest   Management   Power				Aphid	2ml/litre of water on the infected patches. For organic control against aphid,				
Potato   Vegetative to tuber initiation   Vegetative to lower point   Powering to fruiting				_	Bulb Extract (ST) @ 1% or Trichoderma harzianum.				
Potato   Vegetative to tuber initiation   Cut worm   If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon (mixture of 1kg husk + 40g sugar + 1kg su	Field pea/ Lentil		arly	rust					
Initiation   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Management   Seeds storage   Post-harvest   Seeds storage   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Seeds storage   Post-harvest   Post-harves				Downey Mildew	Apply Mancozeb 75%WP @ 1.25 -2 kg/ ha at 7-10 days interval.				
Post-harvest   Post-harvest   Post-harvest   Pest and disease   Pest and disease   Pest and disease   Cole crops   Vegetative to head formation   Cabbage Borer   Cabbage Borer   Capply Carbaryl 50% WP formulation @ Lofnly 5 litre water.	Potato	0	uber	Cut worm	husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the				
Name of the crop	Seeds storage				<ul> <li>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.</li> </ul>				
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Horticulture Crops								
Vegetative to head formation   Cabbage Borer   -Apply Carbaryl 50% WP formulation @ Loml/5 litre water.	Name of the crop	Stage		Pest and disease	Agro-meteorological advisories				
Cabbage Borer   -Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.			ead						
Sarden pea/ Broad bean   Flowering to Fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g 10 litres of water against powdery mildew and yellow rust   Spray Hexaconazole 5% EC @ Iml/ litre of water.	•	0		Cabbage Borer	- Apply Carbaryl 50% WP formulation @ 1.6ml/ 5 litre water.				
Flowering to fruiting   Powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust   Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow respectably to the crops grown in moist/shady area.    Presearch   Presearch   Spray Bayleton @ 7 g/ 10 litres of water against powders   Spray Bayleton @ 10 litres of water   Spray Bayleton @ 10 litres   Spray Ba	Tomato	Tomato Vegetative		Early blight					
Pre-Bean	Garden pea/ Broad bear	n Flowering to fr	uiting		- Spray Bayleton @ 7 g/ 10 litres of water against powdery mildew and yellow rust				
Pre-bearing and bearing trees   Discase   Discase   Management   Protect animals   Discase   Management   Protect animals   Discase   Management   Duck   Discase   Care and Management   Management   Management   Care and Management   Man	Banana								
Cucurbits	Tree-Bean		d						
Cucurbits	Onion	Vegetative			- 30 to 45 days old transplanted onion should be top dressed with 20-25 kg urea/ sangam depending upon the fertility.				
*Arrange for external heat source during night and early morning hours.  Name of bird/ animal  Poultry (Chicken/Duck)  All age groups  Care and Management  Care and Management  Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.  Gumboro  Sheep/ Goat  All age groups  except the young ones  All age groups  except the young ones  All age groups  except the young ones  Tick  Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cucurbits	Nursery			- Nurseries of bitter gourd, cucumber, sponge gourd, bottle gourd, pumpkin, water				
Name of bird/ animal   Stage   Disease/ Management   Agro-meteorological advisories	Animal Sciences								
Protect animals/ birds from sudden drop in temperature. Walls of sheds should be covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.    Gumboro   Gumboro disease vaccine (@ 1drop/ bird in eye) when the bird is 14 days old.									
Duck)    Covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed. Litters should be of 4.5 inches thick and stir it at regular interval.   Gumboro	Name of bird/ animal	Stage	Dis	ease/ Management					
Sheep/ Goat  All age groups Pig All age groups except the young ones  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cattle  All age groups excepts the young ones  Cocidial infection Deworming Albendazole Plus Avermectin Table 6 mg/adult. Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days. Protect from skin diseases by using Deltamethrin solution @2ml/litre water and bath with the solution.  Cattle  All age groups excepts the young ones  Tick Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.  Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	* *			and Management	covered with polythene sheets/hessian cloths during the night. Use electric bulb or charcoal at night time to keep rooms warm in poultry shed.				
Pig All age groups except the young ones  All age groups  Except the young ones  Except the young ones  All age groups  Except the young ones  Except the young ones  Except the young ones  Except the young ones  All age groups  Except the young ones  Exc			Gumb	oro					
Pig All age groups except the young ones Cattle All age groups except the young ones  All age groups except the young ones  All age groups excepts the young ones  All age gro	Sheep/ Goat	All age groups		_	- Vaccinate against Contagious Caprine Pluero-pneumonia intra- dermally.				
except the young ones    Coccidial infection of Description of Description ones	Pig	All age groups			Albendazole Plus Avermectin Table 6 mg/adult.				
Cattle All age groups excepts the young ones  with the solution. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.									
excepts the young ones    Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.		ones Skin		iseases	with the solution.				
young ones weight or 5.5ml/ 10 kg body weight (Ranizole) in lower altitude.	Cattle	All age groups	Tick		Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.				
Care and Management Sheds must be kept dry. Use bedding materials.		-	Dewor	ming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @ 1ml/ 2kg body				
			Care a	and Management	Sheds must be kept dry. Use bedding materials.				