

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

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)

**0.8mm** rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of 12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/ hr.

### Weather forecast for Imphal West (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain mainly clear to partly cloudy with max. temp. 26-27 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 96 % (max) and 34 % (min). The average wind speed may be 5-6

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
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
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to vegetative			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.</li> <li>Transplant nursery in raised beds.</li> <li>Give light watering to keep soil moist during vegetative phase.</li> </ul>
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing.
Onion	Bulb formation	n	Purple bloch and bulb rot	<ul> <li>- Spray Dichlorovos @ 1ml/ litre of water.</li> <li>- Give light watering to keep soil moist.</li> <li>- Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.</li> </ul>
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use middle and bottom parts of stem for stake. Shallow planting facilitates more roots production. Loose soil is preferred at the time of planting.  To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.  Two buds minisetts raised in nursery may be planted after treating with fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Il susceptible vaccinatio ge groups (as nd when		Birds must be vaccinated as per recommended schedule mentioned below as the probability of occurrence of the disease is high during March- April months.  1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days for all birds.  2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).  3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).  After that at every two months interval.
Pig	Above 3 months	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
	of age (as and		dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)		H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.



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

"Gramin Krishi Mausam Seva"



# **MANIPUR AGROMET ADVISORY BULLETIN**

District: Senapati

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19) **0.8mm** rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of

12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/hr.

# Weather forecast for Senapati (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp. 24-26 °C & mini. temp. 11 °C. Relative humidity may reach upto 93 % (max) and 44 % (min). The average wind speed may be 5-7 km/hr.

recorded in the past ic				in. // (max) and 44 // (mm). The average wind speed may be 3-7 km/m.
Field Crops		-		
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the
				required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
Potato	Planting			- Land preparation for planting in mid and high hills may be started.
Seeds storage	Post-harvest			- For seed purpose store the seeds in RC-Seed Bin after proper drying and
	Management			cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for
				moisture content or weight of charcoal and dry if required.
**				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like
	vegetative			Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with
				2-3 seeds per hill.
Chilli/ capsicum	Nursery			- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water to control the fungal attack.
				- Transplant nursery in raised beds.
				- Give light watering to keep soil moist during vegetative phase.
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of
				thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use
				middle and bottom parts of stem for stake. Shallow planting facilitates more
				roots production. Loose soil is preferred at the time of planting.
				To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.
				Two buds minisetts raised in nursery may be planted after treating with
				fungicides.
Animal Sciences				Tuligicides.
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All susceptible	Vaccin	ation	Birds must be vaccinated as per recommended schedule mentioned below as the
Duck)	age groups (as	v accin	auton	probability of occurrence of the disease is high during March-April months.
Duck)	and when			F-1 Strain may be first administered within 7 days of age and second dose may
	required)			be given at 30days for all birds.
	1			2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).
				3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).
				After that at every two months interval.
Pig	Above 3 months	Swine	Fever	- Vaccinate against swine fever after the age of 3 months.
8	of age (as and			Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)		H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
	•	Dewor		Give Albendazole @30 ml per 100kg body weight.
			0	r



; Fax: (0385) 2414654, 2414749

ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



# **MANIPUR AGROMET ADVISORY BULLETIN**

District: Tamenglong

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)

0.8mm rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and

 $17^{th}$  Mar. Maximum temperature ranged from 26.3 - 30.0 °C and minimum of 12.4 - 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/ hr.

### Weather forecast for Tamenglong (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp. 24-26 °C & mini. temp. 11 °C. Relative humidity may reach upto 94 % (max) and 39 % (min). The average wind speed may be 5-6 km/hr.

recorded in the past to	ar days ee average	will sp	ord was its old min	nr. (max) and 39 % (min). The average wind speed may be 3-6 km/nr.
Field Crops Name of the crop	Stage		Pest and disease	A gray mateorelagical advisaging
	Stage	Vegetative		Agro-meteorological advisories  - The ridges around the crop field must be constructed well to maintain the
Pre-kharif rice	re-knarii rice vegetative			
D 1:34:	T7			required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
Seeds storage		Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and
	Management			cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for
				moisture content or weight of charcoal and dry if required.
Horticulture Crops				- Avoid fungal growth and pest rodent in store.
	C4		Dort and discour	A
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like
	vegetative			Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with
				2-3 seeds per hill.
Chilli/ capsicum	Nursery			- In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water to control the fungal attack.
				- Transplant nursery in raised beds.
D1.519				- Give light watering to keep soil moist during vegetative phase.
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of
0.1	D 11 C		Leaf minor	land preparation before sowing Spray Dichlorovos @ 1ml/ litre of water.
Onion	Buib formatio	Bulb formation		- Spray Dichlorovos & 1ml/ little of water Give light watering to keep soil moist.
			Purple bloch and	- Give light watering to keep soft moist.  - Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch
				and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.
Cassava (Tapioca)	Cassava (Taniasa) Dianting		bulb rot	8-10 months old healthy disease free 25-30 cm long planting material of
Cassava (Tapioca)	Planting			thickness 2-3cm. Remove $1/3^{rd}$ of the total length of the stem from the top. Use
				middle and bottom parts of stem for stake. Shallow planting facilitates more
				roots production. Loose soil is preferred at the time of planting.
				To economize the total requirement of stake, burry the stakes for 30days for
				callus formation and root initiation.
				Two buds minisetts raised in nursery may be planted after treating with
				fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	sease/ Management	Agro-meteorological advisories
Poultry (Chicken/	All susceptible	Vacci	nation	Birds must be vaccinated as per recommended schedule mentioned below as the
Duck)	age groups (as			probability of occurrence of the disease is high during March- April months.
	and when			1. F-1 Strain may be first administered within 7 days of age and second dose may
	required)			be given at 30days for all birds.
				2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).
				3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).
				After that at every two months interval.
Pig	Above 3 months	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
	of age (as and		dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)		H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Dewo	rming	Give Albendazole @30 ml per 100kg body weight.



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

"Gramin Krishi Mausam Seva"



#### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Thoubal

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)

**0.8mm** rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of 12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/ hr.

### Weather forecast for Thoubal (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp. 26-27 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 95 % (max) and 42 % (min). The average wind speed may be 8-10

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
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
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to vegetative			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.</li> <li>Transplant nursery in raised beds.</li> <li>Give light watering to keep soil moist during vegetative phase.</li> </ul>
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing.
Onion	Bulb formatio	n	Leaf minor	- Spray Dichlorovos @ 1ml/ litre of water Give light watering to keep soil moist.
			Purple bloch and bulb rot	- Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use middle and bottom parts of stem for stake. Shallow planting facilitates more roots production. Loose soil is preferred at the time of planting. To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.  Two buds minisetts raised in nursery may be planted after treating with fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	ge groups (as nd when		Birds must be vaccinated as per recommended schedule mentioned below as the probability of occurrence of the disease is high during March- April months.  1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days for all birds.  2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).  3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).  After that at every two months interval.
Pig	Above 3 months	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
<u> </u>	of age (as and		dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)	B.Q./ Dewo	H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.
			-	



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

"Gramin Krishi Mausam Seva"



#### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Ukhrul

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19) 0.8mm rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of 12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was

### Weather forecast for Ukhrul (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp. 24-26 °C & mini. temp. 11 °C. Relative humidity may reach upto 91 % (max) and 38 % (min). The average wind speed may be 5-8 km/hr.

Date of issue: 19th March, 2019

			max & 46.5 % min w		temp. 11 °C. Relative humidity may reach upto 91
recorded in the past for	our days & average	vind spe	eed was 4.3 – 6.3 km/	% (max) and 38 °	% (min). The average wind speed may be 5-8 km/hr.
Field Crops					
Name of the crop	Stage		Pest and disease	A	gro-meteorological advisories
Pre-kharif rice	Vegetative				op field must be constructed well to maintain the
				required water level of 5-8	cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil n	noisture. Weeding may be done.
Potato	Planting				ting in mid and high hills may be started.
Seeds storage	Post-harvest				the seeds in RC-Seed Bin after proper drying and
<u> </u>	Management			cleaning of seeds along	with dry charcoal at 80:20 w/w ratios. Check for
				moisture content or weight	t of charcoal and dry if required.
				- Avoid fungal growth and	pest rodent in store.
Horticulture Crops					
Name of the crop	Stage		Pest and disease		gro-meteorological advisories
Cucurbits	Vegetative				ight watering may be done if the soil is dry.
French Bean	Sowing to			- Spacings: 30x45 cm from	seed to seed & row to row for dwarf variety like
	vegetative			Anupama and for pole typ	e Local variety (Tangkhul hawai) at 60x60 cm with
				2-3 seeds per hill.	
Chilli/ capsicum	Nursery				spray Carbendazim + Mancozeb (Sixer) @ 2 g per
				litre of water to control the	
				- Transplant nursery in rais	
				<ul> <li>Give light watering to kee</li> </ul>	ep soil moist during vegetative phase.
Cassava (Tapioca)	Planting			8-10 months old healthy	disease free 25-30 cm long planting material of
					1/3 <sup>rd</sup> of the total length of the stem from the top. Use
					of stem for stake. Shallow planting facilitates more
					il is preferred at the time of planting.
					quirement of stake, burry the stakes for 30days for
				callus formation and root in	
					ed in nursery may be planted after treating with
				fungicides.	
Animal Sciences Name of bird/ animal	Stage	Dia	ease/ Management	Α.α.	ro-meteorological advisories
	_		•		
Poultry (Chicken/	All susceptible	Vacci	nation		per recommended schedule mentioned below as the
Duck)	age groups (as				the disease is high during March- April months.
	and when				ministered within 7 days of age and second dose may
	required)			given at 30days for all bir	
					of age group birds (layers).
				fter that at every two month	f 16-18 weeks of age group birds (layers).
Dt <sub>a</sub>	Above 3 months	Swine Fever			ver after the age of 3 months.
Pig	of age (as and		dial infection		
Cattle	when required)		H.S./ F.M.D.	floxacine/ Ornidazole (O <sub>2</sub> ) Vaccinate against B.Q./ H.S	
Cattle	when required)				
		Dewo	ming	ive Albendazole @30 ml p	er rookg body weight.

(I. Meghachandra Singh) Nodal Officer, GKMS



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

"Gramin Krishi Mausam Seva"



#### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Bishnupur

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)

**0.8mm** rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of 12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/ hr.

### Weather forecast for Bishnupur (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp. 26-27 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 97 % (max) and 47 % (min). The average wind speed may be 5-8

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
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
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to vegetative			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.</li> <li>Transplant nursery in raised beds.</li> <li>Give light watering to keep soil moist during vegetative phase.</li> </ul>
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing.
Onion	Bulb formation	n	Purple bloch and bulb rot	<ul> <li>- Spray Dichlorovos @ 1ml/ litre of water.</li> <li>- Give light watering to keep soil moist.</li> <li>- Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.</li> </ul>
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use middle and bottom parts of stem for stake. Shallow planting facilitates more roots production. Loose soil is preferred at the time of planting. To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.  Two buds minisetts raised in nursery may be planted after treating with fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	l susceptible e groups (as d when		Birds must be vaccinated as per recommended schedule mentioned below as the probability of occurrence of the disease is high during March- April months.  1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days for all birds.  2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).  3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).  After that at every two months interval.
Pig	Above 3 months	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
8	of age (as and		dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)		H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.



; Fax : (0385) 2414654, 2414749

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

"Gramin Krishi Mausam Seva"



#### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Chandel

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)

**0.8mm** rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on  $15^{th}$  morning and  $17^{th}$  Mar. Maximum temperature ranged from  $26.3-30.0\,^{\circ}\text{C}$  and minimum of  $12.4-16.7\,^{\circ}\text{C}$ . Mean relative humidity of  $83.3\,^{\circ}$  max &  $46.5\,^{\circ}$  min was recorded in the past four days & average wind speed was  $4.3-6.3\,\text{km/hr}$ .

# Weather forecast for Chandel (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp.  $26\text{-}27\,^{\circ}\text{C}$  & mini. temp.  $12\text{-}13\,^{\circ}\text{C}$ . Relative humidity may reach upto 90 % (max) and 40 % (min). The average wind speed may be 6-9 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
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
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to vegetative			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.</li> <li>Transplant nursery in raised beds.</li> <li>Give light watering to keep soil moist during vegetative phase.</li> </ul>
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing.
Onion	Bulb formatio	n	Leaf minor	- Spray Dichlorovos @ 1ml/ litre of water Give light watering to keep soil moist.
			Purple bloch and bulb rot	- Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use middle and bottom parts of stem for stake. Shallow planting facilitates more roots production. Loose soil is preferred at the time of planting. To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.  Two buds minisetts raised in nursery may be planted after treating with fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	ge groups (as nd when		Birds must be vaccinated as per recommended schedule mentioned below as the probability of occurrence of the disease is high during March- April months.  1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days for all birds.  2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).  3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).  After that at every two months interval.
Pig	Above 3 months	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
<u> </u>	of age (as and		dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)	B.Q./ Dewo	H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.
			-	



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

"Gramin Krishi Mausam Seva"



#### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Churachandpur

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19) **0.8mm** rainfall was observed during the past four days. The skies remained

mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of 12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/ hr.

Weather forecast for Churachandpur (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain partly cloudy to mainly cloudy with max. temp. 26-27 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 90 % (max) and 40 % (min). The average wind speed may be 6-9

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
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
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to vegetative			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.</li> <li>Transplant nursery in raised beds.</li> <li>Give light watering to keep soil moist during vegetative phase.</li> </ul>
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing.
Onion	Bulb formatio	n	Leaf minor	- Spray Dichlorovos @ 1ml/ litre of water Give light watering to keep soil moist.
			Purple bloch and bulb rot	- Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use middle and bottom parts of stem for stake. Shallow planting facilitates more roots production. Loose soil is preferred at the time of planting. To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.  Two buds minisetts raised in nursery may be planted after treating with fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	ge groups (as nd when		Birds must be vaccinated as per recommended schedule mentioned below as the probability of occurrence of the disease is high during March- April months.  1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days for all birds.  2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).  3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).  After that at every two months interval.
Pig	Above 3 months	Swine Fever		- Vaccinate against swine fever after the age of 3 months.
<u> </u>	of age (as and		dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)	B.Q./ Dewo	H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.
			-	



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

Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)

**0.8mm** rainfall was observed during the past four days. The skies remained mainly cloudy to cloudy but mainly clear to partly cloudy on 15<sup>th</sup> morning and 17<sup>th</sup> Mar. Maximum temperature ranged from 26.3 – 30.0 °C and minimum of 12.4 – 16.7 °C. Mean relative humidity of 83.3 % max & 46.5 % min was recorded in the past four days & average wind speed was 4.3 - 6.3 km/ hr.

### Weather forecast for Imphal East (20<sup>th</sup> to 24<sup>th</sup> March, 2019)

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

Likely to have scattered to fairly widespread rain/ thundershowers accompanied with lightening and gusty wind during next two days. The sky will remain mainly clear to partly cloudy with max. temp. 26-28 °C & mini. temp. 12-13 °C. Relative humidity may reach upto 89 % (max) and 35 % (min). The average wind speed may be 8-9

				<u> </u>
Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Pre-kharif rice	Vegetative			- The ridges around the crop field must be constructed well to maintain the required water level of 5-8 cm.
Rabi Maize	Vegetative			- Irrigate to maintain soil moisture. Weeding may be done.
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
Cucurbits	Vegetative			- Weeding may be done. Light watering may be done if the soil is dry.
French Bean	Sowing to vegetative			- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery			<ul> <li>In chilies and capsicum, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack.</li> <li>Transplant nursery in raised beds.</li> <li>Give light watering to keep soil moist during vegetative phase.</li> </ul>
Bhindi				- Sowing of bhindi/ ladies finger may be done at the spacing of 30cm x 45cm. Apply 25kg urea, 33kg DAP and 25kg MOP per sangam at final stage of land preparation before sowing.
Onion	Bulb formatio	n	Purple bloch and bulb rot	<ul> <li>- Spray Dichlorovos @ 1ml/ litre of water.</li> <li>- Give light watering to keep soil moist.</li> <li>- Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple bloch and Bulb rot. Spray is to be given twice at an interval of 7 to 10 days.</li> </ul>
Cassava (Tapioca)	Planting			8-10 months old healthy disease free 25-30 cm long planting material of thickness 2-3cm. Remove 1/3 <sup>rd</sup> of the total length of the stem from the top. Use middle and bottom parts of stem for stake. Shallow planting facilitates more roots production. Loose soil is preferred at the time of planting. To economize the total requirement of stake, burry the stakes for 30days for callus formation and root initiation.  Two buds minisetts raised in nursery may be planted after treating with fungicides.
Animal Sciences				
Name of bird/ animal	Stage	Dis	ease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	ge groups (as nd when		Birds must be vaccinated as per recommended schedule mentioned below as the probability of occurrence of the disease is high during March- April months.  1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days for all birds.  2. R <sub>2</sub> B vaccine of 8-9 weeks of age group birds (layers).  3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers).  After that at every two months interval.
Pig			Fever	- Vaccinate against swine fever after the age of 3 months.
3			dial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle	when required)		H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.  Give Albendazole @30 ml per 100kg body weight.