

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*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)**

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 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		- 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. - 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 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		- In chillies 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.
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	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 minisets raised in nursery may be planted after treating with fungicides.

**Animal Sciences**

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019

District: Senapati

<b>Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)</b> 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.	<b>Weather forecast for Senapati (20<sup>th</sup> to 24<sup>th</sup> March, 2019)</b> 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.
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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 Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhul hawaii) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*District: Tamenglong*

<b>Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)</b> 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.	<b>Weather forecast for Tamenglong (20<sup>th</sup> to 24<sup>th</sup> March, 2019)</b> 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.
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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		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - 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 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		- In chillies 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.
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	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, bury 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	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*District: Thoubal*

<b>Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)</b> 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.	<b>Weather forecast for Thoubal (20<sup>th</sup> to 24<sup>th</sup> March, 2019)</b> 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 km/hr.
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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		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhu hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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.
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	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	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019

District: Ukhrul

<b>Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)</b> 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.	<b>Weather forecast for Ukhrul (20<sup>th</sup> to 24<sup>th</sup> March, 2019)</b> 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.
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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 Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkul hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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, bury the stakes for 30days for callus formation and root initiation. Two buds minisets raised in nursery may be planted after treating with fungicides.
Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
Cattle		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*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)**

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 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		- 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. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhu hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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.
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	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 minisets raised in nursery may be planted after treating with fungicides.

**Animal Sciences**

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*District: Chandel*

<b>Past weather for the of Imphal West (15<sup>th</sup> to 18<sup>th</sup> March, 19)</b> 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.	<b>Weather forecast for Chandel (20<sup>th</sup> to 24<sup>th</sup> March, 2019)</b> 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 km/hr.
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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		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhu hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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.
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	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	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*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)**

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 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		- 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. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhu hawai) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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.
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	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 minisets raised in nursery may be planted after treating with fungicides.

**Animal Sciences**

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

(I. Meghachandra Singh)  
Nodal Officer, GKMS



**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 19<sup>th</sup> March, 2019*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)**

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 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		- 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. - 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 vegetative		- Spacings: 30x45 cm from seed to seed & row to row for dwarf variety like Anupama and for pole type Local variety (Tangkhal hawaii) at 60x60 cm with 2-3 seeds per hill.
Chilli/ capsicum	Nursery		- In chillies 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.
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	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 minisets raised in nursery may be planted after treating with fungicides.

**Animal Sciences**

Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups (as and when required)	Vaccination	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 of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
Cattle		Coccidial infection	Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		B.Q./ H.S./ F.M.D.	- Vaccinate against B.Q./ H.S./ F.M.D.
		Deworming	Give Albendazole @30 ml per 100kg body weight.

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