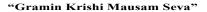




ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004





# **MANIPUR AGROMET ADVISORY BULLETIN**

District: Tamenglong

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

Weather forecast for Tamenglong (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 28-32 °C & mini. temp. 21-23 °C. Relative humidity may reach upto 99% (max) & 93 % (min). The average wind speed may be 2-4 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative	Thrips	<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @</li> </ul>
		Bacterial Leaf	1ml/ litre water against Thrips.  - Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.
		Blight Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation	Lear folder	- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ $0.5g$ / lit of water to control Tikka disease in groundnut.
200		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/ lit water.  - Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> <li>Transplant healthy seedlings at a spacing of 45cm x 45cm.</li> </ul>
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



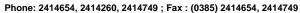
E-mail: agromet\_mnp@yahoo.co.uk

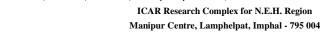
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



#### "Gramin Krishi Mausam Seva"

Animal Sciences						
Name of bird/ anima	Ü	Disease/ Management				
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.			
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.			
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit			
			of water.			
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking			
			purpose.			
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.			
	months of	Endo/ Ecto parasite or sk	in - Inject Neomac @ 1 ml/ 10 kg body weight.			
	age	infection				
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide			
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.			
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.			
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.			
	age	Ectoparasite				
		Management	- Provide wholesome water. Protection from high temp may be ensured.			
			- Electrolytes in the form of powder/ liquid may be given. Increase salt			
			level in feed.			
			- Protect animals from PICA (depraved appetite) by providing essential			
			body salts (mineral forte powder) 25g/day.			
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with			
	except three		vitamins like Livozyme @ 50ml twice daily.			
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight			
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.			
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be			
			carried out strictly. Due care need to be taken to prevent spread of disease			
			caused by flies/ mosquitoes/ ticks, etc.			
Fishery:						
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m			
	•		2. Apply lime 30 Kg/ha every 30 days interval			
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two			
			splits			
			Select fully matured male and female brood fish for induced breeding			
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators				
Unit			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		1275 litre of water capacity)				
		ally good water quality having optimum dissolved oxygen and PH level for hatching.				
	5. Supply only good water quarty naving optimizing dissolved oxygen and 111 to of for nate lines.					







"Gramin Krishi Mausam Seva"

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

District: Thoubal

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

# Weather forecast for Thoubal (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp.  $30\text{-}33~^{\circ}\text{C}$  & mini. temp.  $24\text{-}25~^{\circ}\text{C}$ . Relative humidity may reach upto 99% (max) & 91 % (min). The average wind speed may be 3-4~km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative	Thrips	<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @</li> </ul>
		Bacterial Leaf	1ml/ litre water against Thrips.  - Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.
		Blight Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation	Lear folder	- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ $0.5g$ / lit of water to control Tikka disease in groundnut.
200		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/ lit water.  - Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> <li>Transplant healthy seedlings at a spacing of 45cm x 45cm.</li> </ul>
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



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

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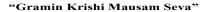
#### "Gramin Krishi Mausam Seva"

Animal Sciences						
Name of bird/ anima	Ü	Disease/ Management				
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.			
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.			
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit			
			of water.			
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking			
			purpose.			
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.			
	months of	Endo/ Ecto parasite or sk	in - Inject Neomac @ 1 ml/ 10 kg body weight.			
	age	infection				
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide			
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.			
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.			
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.			
	age	Ectoparasite				
		Management	- Provide wholesome water. Protection from high temp may be ensured.			
			- Electrolytes in the form of powder/ liquid may be given. Increase salt			
			level in feed.			
			- Protect animals from PICA (depraved appetite) by providing essential			
			body salts (mineral forte powder) 25g/day.			
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with			
	except three		vitamins like Livozyme @ 50ml twice daily.			
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight			
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.			
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be			
			carried out strictly. Due care need to be taken to prevent spread of disease			
			caused by flies/ mosquitoes/ ticks, etc.			
Fishery:						
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m			
	•		2. Apply lime 30 Kg/ha every 30 days interval			
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two			
			splits			
			Select fully matured male and female brood fish for induced breeding			
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators				
Unit			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		1275 litre of water capacity)				
		ally good water quality having optimum dissolved oxygen and PH level for hatching.				
	5. Supply only good water quarty naving optimizing dissolved oxygen and 111 to of for nate lines.					



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





# **MANIPUR AGROMET ADVISORY BULLETIN**

District: Ukhrul

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

# Weather forecast for Ukhrul (31st July to 4th Aug., 2019):

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

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 28-32 °C & mini. temp. 21-23 °C. Relative humidity may reach upto 99% (max) & 91 % (min). The average wind speed may be 3 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Name of the crop Kharif Rice	Transplanting and early vegetative	Thrips	<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @</li> </ul>
		Bacterial Leaf Blight Leaf folder	<ul> <li>1ml/ litre water against Thrips.</li> <li>- Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.</li> <li>- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.</li> </ul>
Kharif maize	Cob formation		- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut.
		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/lit water.  - Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> <li>Transplant healthy seedlings at a spacing of 45cm x 45cm.</li> </ul>
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



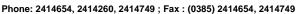
E-mail: agromet\_mnp@yahoo.co.uk

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



#### "Gramin Krishi Mausam Seva"

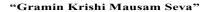
Animal Sciences						
Name of bird/ anima	Ü	Disease/ Management				
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.			
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.			
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit			
			of water.			
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking			
			purpose.			
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.			
	months of	Endo/ Ecto parasite or sk	in - Inject Neomac @ 1 ml/ 10 kg body weight.			
	age	infection				
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide			
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.			
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.			
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.			
	age	Ectoparasite				
		Management	- Provide wholesome water. Protection from high temp may be ensured.			
			- Electrolytes in the form of powder/ liquid may be given. Increase salt			
			level in feed.			
			- Protect animals from PICA (depraved appetite) by providing essential			
			body salts (mineral forte powder) 25g/day.			
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with			
	except three		vitamins like Livozyme @ 50ml twice daily.			
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight			
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.			
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be			
			carried out strictly. Due care need to be taken to prevent spread of disease			
			caused by flies/ mosquitoes/ ticks, etc.			
Fishery:						
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m			
	•		2. Apply lime 30 Kg/ha every 30 days interval			
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two			
			splits			
			Select fully matured male and female brood fish for induced breeding			
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators				
Unit			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		1275 litre of water capacity)				
		ally good water quality having optimum dissolved oxygen and PH level for hatching.				
	5. Supply only good water quarty naving optimizing dissolved oxygen and 111 to of for nate lines.					







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





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

District: Bishnupur

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

# Weather forecast for Bishnupur (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 24-25 °C. Relative humidity may reach upto 99% (max) & 93 % (min). The average wind speed may be 1-4 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative	Thrips	<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @</li> </ul>
		Bacterial Leaf	1ml/ litre water against Thrips.  - Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.
		Blight Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation	Lear folder	- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ $0.5g$ / lit of water to control Tikka disease in groundnut.
200		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/ lit water.  - Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> <li>Transplant healthy seedlings at a spacing of 45cm x 45cm.</li> </ul>
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



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



#### "Gramin Krishi Mausam Seva"

Animal Sciences						
Name of bird/ anima	Ü	Disease/ Management				
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.			
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.			
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit			
			of water.			
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking			
			purpose.			
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.			
	months of	Endo/ Ecto parasite or sk	in - Inject Neomac @ 1 ml/ 10 kg body weight.			
	age	infection				
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide			
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.			
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.			
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.			
	age	Ectoparasite				
		Management	- Provide wholesome water. Protection from high temp may be ensured.			
			- Electrolytes in the form of powder/ liquid may be given. Increase salt			
			level in feed.			
			- Protect animals from PICA (depraved appetite) by providing essential			
			body salts (mineral forte powder) 25g/day.			
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with			
	except three		vitamins like Livozyme @ 50ml twice daily.			
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight			
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.			
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be			
			carried out strictly. Due care need to be taken to prevent spread of disease			
			caused by flies/ mosquitoes/ ticks, etc.			
Fishery:						
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m			
	•		2. Apply lime 30 Kg/ha every 30 days interval			
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two			
			splits			
			Select fully matured male and female brood fish for induced breeding			
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators				
Unit			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		1275 litre of water capacity)				
		ally good water quality having optimum dissolved oxygen and PH level for hatching.				
	5. Supply only good water quarty naving optimizing dissolved oxygen and 111 to of for nate lines.					





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





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

District: Chandel

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

# Weather forecast for Chandel (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp.  $30\text{-}33~^{\circ}\text{C}$  & mini. temp.  $24\text{-}25~^{\circ}\text{C}$ . Relative humidity may reach upto 98% (max) & 86 % (min). The average wind speed may be 2-4 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative		<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> </ul>
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Bacterial Leaf Blight	- Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation		- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut.
		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose	- Spray Carbendazim + Mancozeb @ 1mg/ lit water.
		Fruit fly	- Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> </ul>
			- Transplant healthy seedlings at a spacing of 45cm x 45cm.
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



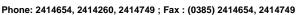
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



#### "Gramin Krishi Mausam Seva"

Animal Sciences						
Name of bird/ anima	Ü	Disease/ Management				
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.			
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.			
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit			
			of water.			
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking			
			purpose.			
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.			
	months of	Endo/ Ecto parasite or sk	in - Inject Neomac @ 1 ml/ 10 kg body weight.			
	age	infection				
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide			
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.			
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.			
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.			
	age	Ectoparasite				
		Management	- Provide wholesome water. Protection from high temp may be ensured.			
			- Electrolytes in the form of powder/ liquid may be given. Increase salt			
			level in feed.			
			- Protect animals from PICA (depraved appetite) by providing essential			
			body salts (mineral forte powder) 25g/day.			
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with			
	except three		vitamins like Livozyme @ 50ml twice daily.			
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight			
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.			
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be			
			carried out strictly. Due care need to be taken to prevent spread of disease			
			caused by flies/ mosquitoes/ ticks, etc.			
Fishery:						
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m			
	•		2. Apply lime 30 Kg/ha every 30 days interval			
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two			
			splits			
			Select fully matured male and female brood fish for induced breeding			
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators				
Unit			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		1275 litre of water capacity)				
		ally good water quality having optimum dissolved oxygen and PH level for hatching.				
	5. Supply only good water quarty naving optimizing dissolved oxygen and 111 to of for nate lines.					



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 (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

# Weather forecast for Churachandpur (31st July to 4th Aug., 2019):

Date of issue: 30th July, 2019

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33  $^{\circ}$ C & mini. temp. 24-25  $^{\circ}$ C. Relative humidity may reach upto 99% (max) & 89 % (min). The average wind speed may be 2-3 km/hr.

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative		<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> </ul>
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Bacterial Leaf Blight	- Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation		- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut.
		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose	- Spray Carbendazim + Mancozeb @ 1mg/ lit water.
		Fruit fly	- Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose</li> </ul>
			at final land preparation Transplant healthy seedlings at a spacing of 45cm x 45cm.
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



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



#### "Gramin Krishi Mausam Seva"

Animal Sciences						
Name of bird/ anima	Ü	Disease/ Management				
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.			
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.			
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit			
			of water.			
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking			
			purpose.			
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.			
	months of	Endo/ Ecto parasite or sk	in - Inject Neomac @ 1 ml/ 10 kg body weight.			
	age	infection				
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide			
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.			
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.			
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.			
	age	Ectoparasite				
		Management	- Provide wholesome water. Protection from high temp may be ensured.			
			- Electrolytes in the form of powder/ liquid may be given. Increase salt			
			level in feed.			
			- Protect animals from PICA (depraved appetite) by providing essential			
			body salts (mineral forte powder) 25g/day.			
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with			
	except three		vitamins like Livozyme @ 50ml twice daily.			
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight			
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.			
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be			
			carried out strictly. Due care need to be taken to prevent spread of disease			
			caused by flies/ mosquitoes/ ticks, etc.			
Fishery:						
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m			
	•		2. Apply lime 30 Kg/ha every 30 days interval			
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two			
			splits			
			Select fully matured male and female brood fish for induced breeding			
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators				
Unit			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		1275 litre of water capacity)				
			aly good water quality having optimum dissolved oxygen and PH level for hatching.			
	5. Supply only good water quarty naving optimizing dissolved oxygen and 111 to of for nate lines.					



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 (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

Weather forecast for Imphal West (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 24-25 °C. Relative humidity may reach upto 99 % (max) & 80 % (min). The average wind speed may be 4 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative	Thrips  Bacterial Leaf Blight	<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.</li> <li>Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.</li> </ul>
TT 40 4	G 1 0	Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation		- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease  hairy caterpillars	<ul> <li>Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut.</li> <li>For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to</li> </ul>
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/ lit water Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> <li>Transplant healthy seedlings at a spacing of 45cm x 45cm.</li> </ul>
Cucurbits	Fruiting and harvesting		<ul> <li>- Monitor for powdery mildew/ downey mildew.</li> <li>- Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



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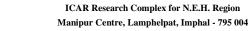
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



#### "Gramin Krishi Mausam Seva"

Animal Sciences					
Name of bird/ anima	Ü	Disease/ Management			
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.		
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.		
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit		
			of water.		
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking		
			purpose.		
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.		
	months of	Endo/ Ecto parasite or sk			
	age	infection			
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide		
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.		
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.		
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.		
	age	Ectoparasite			
		Management	- Provide wholesome water. Protection from high temp may be ensured.		
			- Electrolytes in the form of powder/ liquid may be given. Increase salt		
			level in feed.		
			- Protect animals from PICA (depraved appetite) by providing essential		
			body salts (mineral forte powder) 25g/day.		
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with		
	except three		vitamins like Livozyme @ 50ml twice daily.		
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight		
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.		
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be		
			carried out strictly. Due care need to be taken to prevent spread of disease		
			caused by flies/ mosquitoes/ ticks, etc.		
Fishery:					
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m		
	1		2. Apply lime 30 Kg/ha every 30 days interval		
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two		
			splits		
			Select fully matured male and female brood fish for induced breeding		
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators			
			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and		
		1275 litre of water capacity)			
		nly good water quality having optimum dissolved oxygen and PH level for hatching.			
	5. Supply only good water quanty naving optimum dissolved oxygen and 111 level for natelling.				









### **MANIPUR AGROMET ADVISORY BULLETIN**

District: Imphal East

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

Weather forecast for Imphal East (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 24-25 °C. Relative humidity may reach upto 97% (max) & 92 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative	Thrips  Bacterial Leaf Blight	<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.</li> <li>Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.</li> </ul>
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation		- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease hairy caterpillars	<ul> <li>Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut.</li> <li>For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).</li> </ul>
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/ lit water.  - Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
Early Cauliflower	Nursery to transplanting		<ul> <li>For nursery raising of cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m² of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select midseason varieties like White flash, etc.</li> <li>Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.</li> <li>Transplant healthy seedlings at a spacing of 45cm x 45cm.</li> </ul>
Cucurbits	Fruiting and harvesting		<ul> <li>Monitor for powdery mildew/ downey mildew.</li> <li>Canopy pruning (removal of unwanted leaves and foliage) may be done for proper aeration and sunshine.</li> </ul>
King Chilli	Fruiting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.



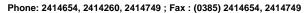
E-mail: agromet\_mnp@yahoo.co.uk

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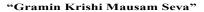


#### "Gramin Krishi Mausam Seva"

Animal Sciences					
Name of bird/ anima	Ü	Disease/ Management			
Poultry (Chicken/	All	Endoparasites	- De-worm using Piperazine citrate.		
Duck)	susceptible		- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.		
	age groups	Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit		
			of water.		
		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking		
			purpose.		
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.		
	months of	Endo/ Ecto parasite or sk			
	age	infection			
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide		
			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.		
Cattle	Above 3	Faciolasis	- De-worming with suitable Anthelmatics against Faciolasis.		
	months of	Endoparasite/	- Inject Parid @ 1 ml/ 50 kg body weight.		
	age	Ectoparasite			
		Management	- Provide wholesome water. Protection from high temp may be ensured.		
			- Electrolytes in the form of powder/ liquid may be given. Increase salt		
			level in feed.		
			- Protect animals from PICA (depraved appetite) by providing essential		
			body salts (mineral forte powder) 25g/day.		
Goat	All age groups	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with		
	except three		vitamins like Livozyme @ 50ml twice daily.		
	months or	Endoparasite/	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight		
	below	Ectoparasite	accompanied with Livozyme @ 50ml daily.		
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be		
			carried out strictly. Due care need to be taken to prevent spread of disease		
			caused by flies/ mosquitoes/ ticks, etc.		
Fishery:					
Carp culture	Seed production	Pond and Water	1.Water depth should be maintained at 2.0 m		
	1		2. Apply lime 30 Kg/ha every 30 days interval		
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two		
			splits		
			Select fully matured male and female brood fish for induced breeding		
Hatchery	1. Use only	clean hapas (if hapa breeding is done) and incubators			
			s in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and		
		1275 litre of water capacity)			
		nly good water quality having optimum dissolved oxygen and PH level for hatching.			
	5. Supply only good water quanty naving optimum dissolved oxygen and 111 level for natelling.				









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

District: Senapati

Past weather for the of Imphal West (26<sup>th</sup> to 29<sup>th</sup> July, 19):

**41.2 mm** rainfall was observed during the past four days. The skies remained mainly cloudy to overcast. Maximum temperature ranged from 27.2-31.7 °C and minimum of 21.4-23.0 °C. Mean relative humidity of 91.0 % max & 69 % min was recorded in the past four days & average wind speed was 2.2-6.4 km/hr.

# Weather forecast for Senapati (31st July to 4th Aug., 2019):

Likely to have light rains upto Sunday but moderate rains on Friday. The sky will remain mainly cloudy to overcast with max. temp. 28-32 °C & mini. temp. 21-23 °C. Relative humidity may reach upto 99% (max) & 97 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 30th July, 2019

- 1. Harvest rain water wherever possible.
- 2. Harvest mature crops before rains.
- 3. Avoid inter-culture operations during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Transplanting and early vegetative		<ul> <li>Maintain a thin film of water upto 7 days after transplanting. Then increase water to 5-8cm.</li> <li>Weed control: Apply Butachlor @ 25 kg/ha within one week of transplanting.</li> <li>One hand weeding may be done at 20-30 days after transplanting.</li> </ul>
		Thrips  Bacterial Leaf	<ul> <li>Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.</li> <li>Spray Streptocycline @ 3g/ litre water against Bacterial Leaf Blight.</li> </ul>
		Blight	
		Leaf folder	- Spray Lambdacyhothrin @ 15 ml/ 15 litre water.
Kharif maize	Cob formation		- Avoid water logging in the crop field.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Sowing to Vegetative	Tikka disease	- Spray Carbendazim @ $0.5g$ / lit of water to control Tikka disease in groundnut.
		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		<ul> <li>Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.</li> <li>Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.</li> </ul>
Seed 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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Passion fruit	Fruiting	Collar rot	- Spray Redomil MZ-27 WP @ 2.5 g/lit water and drench soil with 1% Bordeaux mixture.
		Anthracnose Fruit fly	- Spray Carbendazim + Mancozeb @ 1mg/lit water Spray Carbaryl 0.1% or Malathion 0.05% or poison baiting with jaggery + fruit juice+ Malathion (20:20:1) @ 40-50 baits/ ha.
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