"Gramin Krishi Mausam Seva"



## MANIPUR AGROMET ADVISORY BULLETIN

Date of issue: 26<sup>th</sup> July, 2019

Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Thoubal (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	31-32 °C & mini. temp. 23-24 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 99 % (max) & 67 % (min). The average wind
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 4-6 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	Main field preparation and transplanting			<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> </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	on		- 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	
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost polyhouse. Drench the soil and treat seed with Carbendazim @2g/kg seeds.	
Early Cauliflower	Nursery to transplanting			<ul> <li>For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m<sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.</li> <li>Transplanting of raised seedlings may be done. 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.	
Turmeric +	Rhizome for	mation		- Sow short duration crop like Pant Anupam as intercrop with turmeric.	
French Bean	in turmeric			- Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.	
Chilli	Fruiting to harvesting		Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7 to 10 days interval twice or thrice depending upon the incidence.	
King Chilli	Fruiting		Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.	
Animal Sciences					
Name of bird/ animal	Stage	Disea	ase/ Management	Agro-meteorological advisories	
· · · · ·	ken/ All Endopa susceptible age groups Coccid		rasites	<ul> <li>De-worm using Piperazine citrate.</li> <li>Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.</li> </ul>	
				- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	



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

"Gramin Krishi Mausam Seva"



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		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking	
			purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.	
8	months of	Endo/ Ecto parasite or sk		
	age	infection	injeet reeshae e 1 mil 10 kg body weight.	
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
		6	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 except three months or below		Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with	
			vitamins like Livozyme @ 50ml twice daily.	
		Endoparasite/	Deworm using Minthal bolus @ 1/2 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		
		Fish	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		Put only recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and		
		e of water capacity)		
	3. Supply on	nly good water quality having optimum dissolved oxygen and PH level for hatching.		

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### MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul	Dist	t <b>rict</b> :	Ukh	rul
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Date of issue: 26<sup>th</sup> July, 2019

Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Ukhrul (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	28-29 °C & mini. temp. 20-21 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 99 % (max) & 70 % (min). The average wind
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 3-4 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	f Rice Main field preparation and transplanting			<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> </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	on		- 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	
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost polyhouse. Drench the soil and treat seed with Carbendazim @2g/kg seeds.	
Early Cauliflower	Nursery to transplanting			<ul> <li>For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m<sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.</li> <li>Transplanting of raised seedlings may be done. 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.	
Turmeric + French Bean	Rhizome formation in turmeric			<ul> <li>Sow short duration crop like Pant Anupam as intercrop with turmeric.</li> <li>Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.</li> </ul>	
Chilli	Fruiting to harvesting		Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7 to 10 days interval twice or thrice depending upon the incidence.	
King Chilli	Fruiting		Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.	
Animal Sciences			•		
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories	
• 1	-		rasites	<ul><li>De-worm using Piperazine citrate.</li><li>Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.</li></ul>	
			iosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	



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

"Gramin Krishi Mausam Seva"



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		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking	
			purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.	
8	months of	Endo/ Ecto parasite or sk		
	age	infection	injectiveonide e i nin 10 kg body weight.	
	uge	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
		0	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 months or below			vitamins like Livozyme @ 50ml twice daily.	
		Endoparasite/	Deworm using Minthal bolus @ 1/2 bolus per 20 kg body weight	
		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	
	Fish		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	2. Put only r	2. Put only recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height an		
		e of water capacity)		
	3. Supply on	only good water quality having optimum dissolved oxygen and PH level for hatching.		

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## MANIPUR AGROMET ADVISORY BULLETIN

Date of issue: 26<sup>th</sup> July, 2019

Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19): 5.1 mm rainfall was observed during the past three days. The sk	
remained partly cloudy to mainly cloudy. Maximum temperature range from $30.3 - 31.0$ °C and minimum of $22.5 - 22.7$ °C. Mean related	ve 31-32 °C & mini. temp. 23-24 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past th days & average wind speed was $2.6 - 5.0$ km/ hr.	reach upto 99 % (max) & 63 % (min). The average wind speed may be 3-6 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	Main field preparation and transplanting			<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> </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	on		- 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	
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost polyhouse. Drench the soil and treat seed with Carbendazim @2g/kg seeds.	
Early Cauliflower	r Nursery to transplanting			<ul> <li>For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m<sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.</li> <li>Transplanting of raised seedlings may be done. 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.	
Turmeric + French Bean	Rhizome formation in turmeric			<ul> <li>Sow short duration crop like Pant Anupam as intercrop with turmeric.</li> <li>Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.</li> </ul>	
Chilli	Fruiting to harvesting		Anthracnose	<ul> <li>After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7 to 10 days interval twice or thrice depending upon the incidence.</li> </ul>	
King Chilli	Fruiting		Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.	
Animal Sciences					
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories	
	-		rasites	<ul> <li>De-worm using Piperazine citrate.</li> <li>Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.</li> </ul>	
				- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	



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

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		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking	
			purpose.	
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.	
8	months of	Endo/ Ecto parasite or sk		
	age	infection	injectiveonide e i nin 10 kg body weight.	
	uge	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
		0	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 months or below			vitamins like Livozyme @ 50ml twice daily.	
		Endoparasite/	Deworm using Minthal bolus @ 1/2 bolus per 20 kg body weight	
		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	
	Fish		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	2. Put only recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height an			
		e of water capacity)		
	3. Supply on	only good water quality having optimum dissolved oxygen and PH level for hatching.		

"Gramin Krishi Mausam Seva"



### MANIPUR AGROMET ADVISORY BULLETIN

<b>District</b> :	Chandel

Date of issue: 26<sup>th</sup> July, 2019

Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Chandel (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	31-32 °C & mini. temp. 23-24 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 99 % (max) & 64 % (min). The average wind
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 3-5 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif RiceMain fieldpreparation and transplanting				<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> </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 formatio	on		- 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	atorage 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
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost poly- house. Drench the soil and treat seed with Carbendazim @2g/ kg seeds.
Early Cauliflower	Nursery to transplanting			<ul> <li>For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m<sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.</li> <li>Transplanting of raised seedlings may be done. 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>
Turmeric +	Rhizome for	mation		- Sow short duration crop like Pant Anupam as intercrop with turmeric.
French Bean	in turmeric			- Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.
Chilli	Fruiting to harvesting		Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7 to 10 days interval twice or thrice depending upon the incidence.
King Chilli			Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
Animal Sciences				
Name of bird/ animal	Stage Disea		ase/ Management	Agro-meteorological advisories
Duck)	All Endopa susceptible			<ul> <li>De-worm using Piperazine citrate.</li> <li>Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.</li> </ul>
age groups Cocci		Coccid	iosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.



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

"Gramin Krishi Mausam Seva"



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		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking		
			purpose.		
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.		
8	months of	Endo/ Ecto parasite or sk			
	age	infection	injeet reeshae e 1 mil 10 kg body weight.		
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide		
		6	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 below	Endoparasite/	Deworm using Minthal bolus @ 1/2 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		
		Fish	Select fully matured male and female brood fish for induced breeding		
Hatchery	•	clean hapas (if hapa breeding is done) and incubators			
Unit		recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		e of water capacity)			
	3. Supply on	aly good water quality having optimum dissolved oxygen and PH level for hatching.			

"Gramin Krishi Mausam Seva"



## MANIPUR AGROMET ADVISORY BULLETIN

District:	Churachandpur
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Date of issue: 26<sup>th</sup> July, 2019

Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Churachandpur (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	31-32 °C & mini. temp. 23-24 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 99 % (max) & 68 % (min). The average wind
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 2-4 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops						
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Kharif Rice	Main field			- Maintain a thin film of water upto 7 days after transplanting. Then		
	preparation a	nd		increase water to 5-8cm.		
	transplanting			- Weed control: Apply Butachlor @ 25 kg/ha within one week of		
				transplanting.		
			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 formatio	n		- Avoid water logging in the crop field.		
Soybean/ Groundnut/	Sowing to		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in		
Blackgram/ Rice Bean	Vegetative			groundnut.		
	0		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to		
			nung euterpinais	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.		
1111100	bowing			- Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.		
Seed storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying		
Seed Storage	Management			and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.		
	Wanagement			Check for moisture content or weight of charcoal and dry if required.		
Horticulture Crops				Check for moisture content of weight of charcoar and dry if required.		
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Cole crops	Nursery		I est and disease	Raise cole crops (mid-season variety) nurseries under low cost poly-		
concerops	rearberg			house. Drench the soil and treat seed with Carbendazim @2g/ kg seeds.		
Early Cauliflower	Nursery to			- For nursery raising of early cauliflower in 10-15cm high beds under		
Larry Caulinower	transplanting			temporary rain shelter in upland area, apply 1-2 kg FYM/ $m^2$ of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early		
				varieties like Early Himlata, White shot, etc.		
				- Transplanting of raised seedlings may be done. Add 10kg urea + 50 kg		
				DAP + 40  kg MOP with 10 cart loads of FYM per sangam as basal dose		
				at final land preparation.		
Turmeric +	Dhizoma far	mation		- Transplant healthy seedlings at a spacing of 45cm x 45cm.		
	Rhizome formation			- Sow short duration crop like Pant Anupam as intercrop with turmeric.		
French Bean	in turmeric			- Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot		
Challa	Emili		A	disease.		
Chilli Fruiting to			Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7		
harvesting		En la set 1	to 10 days interval twice or thrice depending upon the incidence.			
King Chilli	Fruiting		Fruit rot and	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of		
A : 10 :			aphid	water.		
Animal Sciences           Name of bird/ animal         Stage         Dise		ase/ Management	Agro-meteorological advisories			
	Ŭ		_			
· · · · · · · · · · · · · · · · · · ·	All Endopa		rasites	- De-worm using Piperazine citrate.		
	susceptible			- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.		
age groups Coccid		Coccidi		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit		
				of water.		



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

"Gramin Krishi Mausam Seva"



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		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.		
8	months of	Endo/ Ecto parasite or sk			
	age	infection	inject i contact e i mi/ 10 kg body weight.		
	uge	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide		
		8	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 below	Endoparasite/	Deworm using Minthal bolus @ 1/2 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			
		Fish	Select fully matured male and female brood fish for induced breeding		
Hatchery	1. Use only of	clean hapas (if hapa breeding is done) and incubators			
Unit		recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		e of water capacity)			
	3. Supply on	ly good water quality having optimum dissolved oxygen and PH level for hatching.			

"Gramin Krishi Mausam Seva"



Date of issue: 26<sup>th</sup> July, 2019

# MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East	
Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Imphal East (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	31-32 °C & mini. temp. 23-24 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 98 % (max) & 61 % (min). The average wind
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 3-5 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops						
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories		
Kharif Rice	Main field			- Maintain a thin film of water upto 7 days after transplanting. Then		
	preparation a	and		increase water to 5-8cm.		
	transplanting	5		- Weed control: Apply Butachlor @ 25 kg/ha within one week of		
				transplanting.		
			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	on		- Avoid water logging in the crop field.		
Soybean/ Groundnut/	Sowing to		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in		
Blackgram/ Rice Bean	Vegetative			groundnut.		
	Ū		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.		
	6			- Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.		
Seed storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying		
	Management			and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.		
	8	-		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		
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost poly-		
•				house. Drench the soil and treat seed with Carbendazim @2g/ kg seeds.		
Early Cauliflower	Nursery to transplanting			- For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m <sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.		
				- Transplanting of raised seedlings may be done. Add 10kg urea + 50 kg		
				DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose		
				at final land preparation.		
				- Transplant healthy seedlings at a spacing of 45cm x 45cm.		
Turmeric +	Rhizome for	mation		- Sow short duration crop like Pant Anupam as intercrop with turmeric.		
French Bean	in turmeric			- Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.		
Chilli	Fruiting to		Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7		
	harvesting			to 10 days interval twice or thrice depending upon the incidence.		
King Chilli	Fruiting		Fruit rot and	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of		
			aphid	water.		
Animal Sciences		1				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories		
Poultry (Chicken/	All Endopa		rasites	- De-worm using Piperazine citrate.		
Duck)	-			- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.		
			iosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit		
				of water.		



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

"Gramin Krishi Mausam Seva"



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		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.		
8	months of	Endo/ Ecto parasite or sk			
	age	infection	inject i contact e i mi/ 10 kg body weight.		
	uge	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide		
		8	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 below	Endoparasite/	Deworm using Minthal bolus @ 1/2 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			
		Fish	Select fully matured male and female brood fish for induced breeding		
Hatchery	1. Use only of	clean hapas (if hapa breeding is done) and incubators			
Unit		recommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		e of water capacity)			
	3. Supply on	ly good water quality having optimum dissolved oxygen and PH level for hatching.			

"Gramin Krishi Mausam Seva"



Date of issue: 26<sup>th</sup> July, 2019

# MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West	
Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Imphal West (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	31-32 °C & mini. temp. 23-24 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 98 % (max) & 77 % (min). The average wind
days & average wind speed was 2.6 - 5.0 km/ hr.	speed may be 3-4 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	Main field			- Maintain a thin film of water upto 7 days after transplanting. Then	
	preparation and transplanting			increase water to 5-8cm.	
				- Weed control: Apply Butachlor @ 25 kg/ha within one week of	
				transplanting.	
			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	on		- 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			<u> </u>		
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost polyhouse. Drench the soil and treat seed with Carbendazim @2g/kg seeds.	
Early Cauliflower	Nursery to transplanting			<ul> <li>For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m<sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.</li> <li>Transplanting of raised seedlings may be done. 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>	
Turmeric +	Rhizome for	mation		- Sow short duration crop like Pant Anupam as intercrop with turmeric.	
French Bean	in turmeric			- Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.	
Chilli	Fruiting to		Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7	
	harvesting			to 10 days interval twice or thrice depending upon the incidence.	
King Chilli	Fruiting		Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.	
Animal Sciences					
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories	
Poultry (Chicken/ Duck)	-		rasites	<ul> <li>De-worm using Piperazine citrate.</li> <li>Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.</li> </ul>	
		Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	



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

"Gramin Krishi Mausam Seva"



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

		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.		
8	months of	Endo/ Ecto parasite or sk			
	age	infection	inject toohide e 1 mil/ 10 kg body weight.		
	uge	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide		
		8	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 below	Endoparasite/	Deworm using Minthal bolus @ 1/2 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		
	Fish S		Select fully matured male and female brood fish for induced breeding		
Hatchery	1. Use only of	clean hapas (if hapa bre	eding 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		
		of water capacity)			
	3. Supply on	ly good water quality h	aving optimum dissolved oxygen and PH level for hatching.		

"Gramin Krishi Mausam Seva"



### MANIPUR AGROMET ADVISORY BULLETIN

District:	Senapati
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Date of issue: 26<sup>th</sup> July, 2019

Past weather for the of Imphal West (23 <sup>rd</sup> to 25 <sup>th</sup> July, 19):	Weather forecast for Senapati (27 <sup>th</sup> to 31 <sup>st</sup> July, 2019):
5.1 mm rainfall was observed during the past three days. The skies	Likely to have light to moderate rains upto Wednesday. The
remained partly cloudy to mainly cloudy. Maximum temperature ranged	sky will remain mainly cloudy to overcast with max. temp.
from 30.3 – 31.0 °C and minimum of 22.5 – 22.7 °C. Mean relative	28-29 °C & mini. temp. 20-21 °C. Relative humidity may
humidity of 89.7 % max & 65.3 % min was recorded in the past three	reach upto 99 % (max) & 73 % (min). The average wind
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 3-4 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	Main field preparation and transplanting			<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> </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	on		- 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	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	Name of the crop Stage		Pest and disease	Agro-meteorological advisories	
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost polyhouse. Drench the soil and treat seed with Carbendazim @2g/kg seeds.	
Early Cauliflower	Nursery to transplanting			<ul> <li>For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m<sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.</li> <li>Transplanting of raised seedlings may be done. 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.	
Turmeric + French Bean	Rhizome formation in turmeric			<ul> <li>Sow short duration crop like Pant Anupam as intercrop with turmeric.</li> <li>Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.</li> </ul>	
Chilli Fruiting to harvesting			Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7 to 10 days interval twice or thrice depending upon the incidence.	
King Chilli         Fruiting			Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.	
Animal Sciences			•		
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories	
· · · ·	- 1		rasites	<ul><li>De-worm using Piperazine citrate.</li><li>Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.</li></ul>	
age groups		Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.	



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

"Gramin Krishi Mausam Seva"



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		coli bacillosis	Add sanitizer in drinking water and avoid muddy water for drinking		
			purpose.		
Pig	Above 3	Coccidial infection	- Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.		
months of		Endo/ Ecto parasite or sk			
	age	infection			
	e	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 below	Endoparasite/	Deworm using Minthal bolus @ 1/2 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 S	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 breedin		ding is done) and incubators		
Unit		ecommended no. of eggs in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and			
		e of water capacity)			
	3. Supply on	ly good water quality having optimum dissolved oxygen and PH level for hatching.			

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## MANIPUR AGROMET ADVISORY BULLETIN

District:	Tamenglong
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Date of issue: 26<sup>th</sup> July, 2019

<ul> <li>Past weather for the of Imphal West (23<sup>rd</sup> to 25<sup>th</sup> July, 19):</li> <li>5.1 mm rainfall was observed during the past three days. The skies</li> </ul>	
remained partly cloudy to mainly cloudy. Maximum temperature ranged from $30.3 - 31.0$ °C and minimum of $22.5 - 22.7$ °C. Mean relative	
humidity of 89.7 % max & 65.3 % min was recorded in the past three	
days & average wind speed was $2.6 - 5.0$ km/ hr.	speed may be 2-4 km/hr.

- 1. Monitor insect pest infestation and water requirement in the crop field.
- 2. Sprays of insects pest mentioned below may be done before rains.

Field Crops					
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories	
Kharif Rice	Main field preparation and			- Maintain a thin film of water upto 7 days after transplanting. Then	
				increase water to 5-8cm.	
	transplanting	Ţ		- Weed control: Apply Butachlor @ 25 kg/ha within one week of	
				transplanting.	
			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	on		- Avoid water logging in the crop field.	
Soybean/ Groundnut/	Sowing to		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in	
Blackgram/ Rice Bean	Vegetative			groundnut.	
	Ũ		hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to	
			<b>J</b> 1	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.	
	8			- Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.	
Seed storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying	
	Managemen			and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.	
Wanagement			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	
Cole crops	Nursery			Raise cole crops (mid-season variety) nurseries under low cost poly-	
*			house. Drench the soil and treat seed with Carbendazim @2g/ kg seeds.		
Early Cauliflower	liflower Nursery to transplanting			- For nursery raising of early cauliflower in 10-15cm high beds under temporary rain shelter in upland area, apply 1-2 kg FYM/ m <sup>2</sup> of nursery bed. Drench the soil with Carbendazim or Captan 50 W.P. Select early varieties like Early Himlata, White shot, etc.	
			- Transplanting of raised seedlings may be done. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation.		
				- Transplant healthy seedlings at a spacing of 45cm x 45cm.	
Turmeric +	Rhizome for	mation		- Sow short duration crop like Pant Anupam as intercrop with turmeric.	
French Bean	in turmeric			- Spray Dithane M-45 @ 2.5 gm/ lit of water to prevent rhizome rot disease.	
Chilli	Fruiting to		Anthracnose	- After harvesting mature fruits, spray Mancozeb @ 2 g/ lit of water at 7	
	harvesting		. Intiliacilose	to 10 days interval twice or thrice depending upon the incidence.	
King Chilli	Fruiting		Fruit rot and	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of	
	Turting		aphid	water.	
Animal Sciences			upilla		
Name of bird/ animal	Stage Dise		ase/ Management	Agro-meteorological advisories	
Poultry (Chicken/	All Endopa		rasites	- De-worm using Piperazine citrate.	
Duck)	susceptible			- Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.	
	age groups	Coccidi	iosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit	
age groups C		Cocciu	0010	of water.	
				01 H WOLL	



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8	months of	Endo/ Ecto parasite or sk		
		infection	inject i conde e i nil/ 10 kg body weight.	
	uge	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide	
		8	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.	
		0	- Electrolytes in the form of powder/ liquid may be given. Increase salt	
			level in feed.	
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			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	
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Unit			is in the hatching pools (1.0-1.2 millions of eggs/1.4 diameter, 0.98 m height and	
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