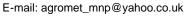
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004





## "Integrated Agromet Advisory Services"

# MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Bishnupur

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Bishnupur
Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	(5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was 28.7– 30.4 °C, range of minimum temperature observed was 16.0 – 17.4 °C, mean relative humidity observed in morning and afternoon were 86.25 % and 61.25 % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $28.0 - 30.0$ °C & minimum temp. $11.0 - 14.0$ °C. Relative humidity may reach upto 99 % (maximum RH) & 60 % (minimum RH). The average wind speed may be 2-4 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	<i>,</i>		J • •
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation		- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal Decis (Deltamethrin 12 %) @ 7ml/15



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<u> </u>			<i>litre of water</i> may be sprayed after the harvest of mature ones.
Coriander	Land		- Select area with bright sunshine rich in organic manure for preparing
	preparation &		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days
	sowing		before sowing to protect seeds from ant and other insects.
			- Apply 200-250 kg of FYM (@ ½ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
Spinach ha	et Land		<ul><li>Seed rate is 100g seeds for 100 sq. m.</li><li>Well drained soil is best for growing spinach beet.</li></ul>
Spinach be (Palak)	preparation &		<ul> <li>- Wen dramed son is best for growing spinach beet.</li> <li>- Avoid damping off by adding Captan 50WP in the soil of bed.</li> </ul>
( <b>r</b> alak)	sowing		Spaning may be maintained at 10cm x 20-25cm apart.
	sowing		- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the
			dose is required.
Onion	Nursery raising		- Apply Captan 50 WP during final land preparation as preventive
omon	i (arser) raising		measures against soil borne diseases.
			- For 25 sq m area we need $\frac{1}{2}$ kg seeds.
			- check that the new sprouts/ young plants in nursery beds are not
			damaged.
			- 45-60 days old seedlings may be transplanted.
Tomato	Fruiting/		- Fully grown fruit of yellowish in colour may be harvested for
	harvesting		transportation or storing for 10-12 days.
			- Do not harvest when it rains.
			Provide bedding material/ support system for immature fruits to avoid
			direct contact with soil.
Animal Sc			
Name of the a	or on the stuge	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days along with glucose.
	required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Litter management	Stir the litter material regularly and add unbaked lime.
Sheep/ Goa	Above 3 months of	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of
	age (as and when		pregnancy.
	required)	Deworming	- Give Albomic suspension @ 5ml per adult.
Pig	Above 3 months of	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.
-	age (as and when	Coccidial infection	Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.
	required)	(Diarrhea)	
		Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.
		Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel
			while brushing the animal.
Cattle / Buf		Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.
Mithun	age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
	icquircu)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:	1	1	,
Type of Farming	Stage & Management	Agro-metrological advisor	ies
Carp/	Harvesting and stock	- Fish harvesting can b	be started.
Catfish	maintenance	- Stock fish for next year and for this practices mentioned below may be done in small scale.	
culture		- Ponds should be free	from unwanted vegetation and insects and water depth should be
		maintained at 1.0-1.5n	n.
		Easds should be prov	vided 1-2 times a day @ 3 % body weight per day.
		- Well balanced feed feed	ortified with vitamins and minerals should be provided. 41itre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.

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## "Integrated Agromet Advisory Services"

# MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Chandel

Significant past weather for the preceding bi-weekly of Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	Weather forecast for next five days of Thoubal (5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was $28.7-30.4$ °C, range of minimum temperature observed was $16.0 - 17.4$ °C, mean relative humidity observed in morning and afternoon were 86.25 % and $61.25$ % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $25.0 - 28.0$ °C & minimum temp. $9.0 - 12.0$ °C. Relative humidity may reach upto 99 % (maximum RH) & 68 % (minimum RH). The average wind speed may be 2-3 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation	<u> </u>	- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal Decis (Deltamethrin 12 %) @ 7ml/15



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a	<b>.</b> .		<i>litre of water</i> may be sprayed after the harvest of mature ones.
Coriander	Land		- Select area with bright sunshine rich in organic manure for preparing
	preparation &		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days
	sowing		before sowing to protect seeds from ant and other insects. Apply 200, 250 kg of EVM ( $@$ 16 opt load) in 100 op m and min
			- Apply 200-250 kg of FYM (@ <sup>1</sup> / <sub>2</sub> cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility. - Seed rate is 100g seeds for 100 sq. m.
Spinach be	et Land		- Well drained soil is best for growing spinach beet.
(Palak)	preparation &		- Avoid damping off by adding Captan 50WP in the soil of bed.
	sowing		Spaning may be maintained at 10cm x 20-25cm apart.
	30 wing		- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the
			dose is required.
Onion	Nursery raising		- Apply Captan 50 WP during final land preparation as preventive
	, , , , , , , , , , , , , , , , , , , ,		measures against soil borne diseases.
			- For 25 sq m area we need 1/2 kg seeds.
			- check that the new sprouts/ young plants in nursery beds are not
			damaged.
			- 45-60 days old seedlings may be transplanted.
Tomato	Fruiting/		- Fully grown fruit of yellowish in colour may be harvested for
	harvesting		transportation or storing for 10-12 days.
			- Do not harvest when it rains.
			Provide bedding material/ support system for immature fruits to avoid
			direct contact with soil.
Animal Sc Name of the a		Disease/ infestation	Agro-meteorological advisories
	animal         Growth stage           All susceptible age	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days
Poultry	groups (as and when		along with glucose.
	required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Litter management	Stir the litter material regularly and add unbaked lime.
Sheep/ Goa	Above 3 months of	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of
			in prognant annuals, injett retainas renota e oterin at ete montais or
	age (as and when		pregnancy.
		Deworming	pregnancy.         - Give Albomic suspension @ 5ml per adult.
	age (as and when required) Above 3 months of	Deworming Skin infection	
	age (as and when required)         Above 3 months of age (as and when	Skin infection	<ul><li>Give Albomic suspension @ 5ml per adult.</li><li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li></ul>
	age (as and when required) Above 3 months of	-	- Give Albomic suspension @ 5ml per adult.
-	age (as and when required)         Above 3 months of age (as and when	Skin infection Coccidial infection (Diarrhea)	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> </ul>
-	age (as and when required)         Above 3 months of age (as and when	Skin infection Coccidial infection	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> </ul>
-	age (as and when required)         Above 3 months of age (as and when	Skin infection Coccidial infection (Diarrhea) Deworming	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> </ul>
Pig Cattle / Buff	age (as and when required)         Above 3 months of age (as and when required)         falo/	Skin infection Coccidial infection (Diarrhea) Deworming	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel</li> </ul>
	age (as and when required)         Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)	Skin infection Coccidial infection (Diarrhea) Deworming Ticks	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.</li> </ul>
Pig Cattle / Buff	age (as and when required)         Above 3 months of age (as and when required)         falo/	Skin infectionCoccidial infection(Diarrhea)DewormingTicksFasciolosis	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.</li> <li>Give Tolzan-F @30 ml/ 100 kg body weight.</li> </ul>
Pig Cattle / Buff Mithun	age (as and when required)         Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)	Skin infectionCoccidial infection(Diarrhea)DewormingTicksFasciolosisDeworming	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> </ul>
Pig Cattle / Buff Mithun <i>Fishery:</i> Type of	age (as and when required)         Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)         falo/       Stage &	Skin infectionCoccidial infection(Diarrhea)DewormingTicksFasciolosisDeworming	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>
Pig Cattle / Buff Mithun <i>Fishery:</i> Type of Farming	age (as and when required)         Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)         Stage & Management       Management	Skin infection         Coccidial infection         (Diarrhea)         Deworming         Ticks         Fasciolosis         Deworming         Ticks/Wounds	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>
Pig Cattle / Buff Mithun Fishery: Type of Farming Carp/	age (as and when required)       Above 3 months of age (as and when required)       falo/     Above 3 months of age (as and when required)       Stage & Management       Harvesting and stock	Skin infection         Coccidial infection         (Diarrhea)         Deworming         Ticks         Fasciolosis         Deworming         Ticks/Wounds	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>
Pig Cattle / Buff Mithun Fishery: Type of Farming Carp/ Catfish	age (as and when required)         Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)         falo/       Above 3 months of age (as and when required)         Stage & Management       Management	Skin infection         Coccidial infection         (Diarrhea)         Deworming         Ticks         Fasciolosis         Deworming         Ticks/Wounds    Agro-metrological advisor - Fish harvesting can b - Stock fish for next yet	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>
Pig Cattle / Buff Mithun Fishery: Type of Farming Carp/	age (as and when required)       Above 3 months of age (as and when required)       falo/     Above 3 months of age (as and when required)       Stage & Management       Harvesting and stock	Skin infection         Coccidial infection         (Diarrhea)         Deworming         Ticks         Fasciolosis         Deworming         Ticks/ Wounds    Agro-metrological advisor - Fish harvesting can b - Stock fish for next ye - Ponds should be free	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>
Pig Cattle / Buff Mithun <i>Fishery:</i> Type of Farming Carp/ Catfish	age (as and when required)       Above 3 months of age (as and when required)       falo/     Above 3 months of age (as and when required)       Stage & Management       Harvesting and stock	Skin infection         Coccidial infection         (Diarrhea)         Deworming         Ticks         Fasciolosis         Deworming         Ticks/Wounds         Agro-metrological advisor         - Fish harvesting can b         - Stock fish for next ye         - Ponds should be free         maintained at 1.0-1.5m	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.</li> <li>Give Tolzan-F @30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>
Pig Cattle / Buff Mithun <i>Fishery:</i> Type of Farming Carp/ Catfish	age (as and when required)       Above 3 months of age (as and when required)       falo/     Above 3 months of age (as and when required)       Stage & Management       Harvesting and stock	Skin infection         Coccidial infection         (Diarrhea)         Deworming         Ticks         Fasciolosis         Deworming         Ticks/Wounds         Agro-metrological advisor         - Fish harvesting can b         - Stock fish for next ye         - Ponds should be free         maintained at 1.0-1.5n         - Feeds should be prov	<ul> <li>Give Albomic suspension @ 5ml per adult.</li> <li>Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.</li> <li>Ofloxacine/ Ornidazole (O<sub>2</sub>) tab twice daily for 5 days.</li> <li>Deworm using Piperazine citrate @ 30 ml per adult animal once.</li> <li>Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.</li> <li>Give Tolzan-F @ 30 ml/ 100 kg body weight.</li> <li>Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.</li> <li>Topicure Spray may be used twice daily on the affected parts.</li> </ul>

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



## "Integrated Agromet Advisory Services"

## MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Churachandpur

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Churachandpur
Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	(5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was 28.7– 30.4 °C, range of minimum temperature observed was 16.0 – 17.4 °C, mean relative humidity observed in morning and afternoon were 86.25 % and 61.25 % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $26.0 - 28.0$ °C & minimum temp. $10.0 - 12.0$ °C. Relative humidity may reach upto 99 % (maximum RH) & 58 % (minimum RH). The average wind speed may be 3-4 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety - M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation	<u> </u>	- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal <i>Decis</i> ( <i>Deltamethrin 12 %</i> ) @ 7ml/15



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<u> </u>			<i>litre of water</i> may be sprayed after the harvest of mature ones.
Coriander	Land		- Select area with bright sunshine rich in organic manure for preparing
	preparation &		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days
	sowing		before sowing to protect seeds from ant and other insects.
			- Apply 200-250 kg of FYM (@ <sup>1</sup> / <sub>2</sub> cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
Spinach ha	et Land		<ul><li>Seed rate is 100g seeds for 100 sq. m.</li><li>Well drained soil is best for growing spinach beet.</li></ul>
Spinach be (Palak)	preparation &		<ul> <li>- Wen dramed son is best for growing spinach beet.</li> <li>- Avoid damping off by adding Captan 50WP in the soil of bed.</li> </ul>
( <b>r</b> alak)	sowing		Spaning may be maintained at 10cm x 20-25cm apart.
	sowing		- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the
			dose is required.
Onion	Nursery raising		- Apply Captan 50 WP during final land preparation as preventive
omon	i (arser) raising		measures against soil borne diseases.
			- For 25 sq m area we need $\frac{1}{2}$ kg seeds.
			- check that the new sprouts/ young plants in nursery beds are not
			damaged.
			- 45-60 days old seedlings may be transplanted.
Tomato	Fruiting/		- Fully grown fruit of yellowish in colour may be harvested for
	harvesting		transportation or storing for 10-12 days.
			- Do not harvest when it rains.
			Provide bedding material/ support system for immature fruits to avoid
			direct contact with soil.
Animal Sc		<b>D</b>	
Name of the a	or on the stuge	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days along with glucose.
	required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Litter management	Stir the litter material regularly and add unbaked lime.
Sheep/ Goa	Above 3 months of	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of
•	age (as and when		pregnancy.
	required)	Deworming	- Give Albomic suspension @ 5ml per adult.
Pig	Above 3 months of	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.
	age (as and when	Coccidial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
	required)	(Diarrhea)	
		Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.
		Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week
			while brushing the animal.
Cattle / Buf		Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.
Mithun	age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage & Management	Agro-metrological advisor	ies
Carp/	Harvesting and stock	- Fish harvesting can b	be started.
Catfish	maintenance	- Stock fish for next year and for this practices mentioned below may be done in small scale.	
culture		- Ponds should be free	from unwanted vegetation and insects and water depth should be
		maintained at 1.0-1.5n	
		- Feeds should be prov	vided 1-2 times a day @ 3 % body weight per day.
		- Well balanced feed feed	ortified with vitamins and minerals should be provided. 41itre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.

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### "Integrated Agromet Advisory Services"

## MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Imphal-East

Significant past weather for the preceding bi-weekly of Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	Weather forecast for next five days of Imphal-East (5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was 28.7– 30.4 °C, range of minimum temperature observed was 16.0 – 17.4 °C, mean relative humidity observed in morning and afternoon were 86.25 % and 61.25 % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $27.0 - 30.0$ °C & minimum temp. $12.0 - 13.0$ °C. Relative humidity may reach upto 100 % (maximum RH) & 52 % (minimum RH). The average wind speed may be 2-4 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation	> 0.00000 m 10g	- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal Decis (Deltamethrin 12 %) @ 7ml/15



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				<i>litre of water</i> may be sprayed after the harvest of mature ones.	
Coriander	Land	1		- Select area with bright sunshine rich in organic manure for preparing	
	prep	aration &		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days	
	sowi			before sowing to protect seeds from ant and other insects.	
		8		- Apply 200-250 kg of FYM (@ 1/2 cart load) in 100 sq. m and mix	
				thoroughly to improve soil fertility.	
				- Seed rate is 100g seeds for 100 sq. m.	
Spinach be				- Well drained soil is best for growing spinach beet.	
(Palak)		aration &		- Avoid damping off by adding Captan 50WP in the soil of bed.	
	sowi	ing		Spaning may be maintained at 10cm x 20-25cm apart.	
				- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the	
0	Norm			dose is required.	
Onion	INUTS	sery raising		- Apply Captan 50 WP during final land preparation as preventive measures against soil borne diseases.	
				- For 25 sq m area we need $\frac{1}{2}$ kg seeds.	
				- check that the new sprouts/ young plants in nursery beds are not	
				damaged.	
				- 45-60 days old seedlings may be transplanted.	
Tomato	Fruit	ting/		- Fully grown fruit of yellowish in colour may be harvested for	
		esting		transportation or storing for 10-12 days.	
				- Do not harvest when it rains.	
				Provide bedding material/ support system for immature fruits to avoid	
				direct contact with soil.	
Animal Sc Name of the a		•			
		h stage	Disease/ infestation	Agro-meteorological advisories	
Poultry		All susceptible age groups (as and when required)	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days along with glucose.	
	require		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
			Litter management	Stir the litter material regularly and add unbaked lime.	
Sheep/ Goa		3 months of	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of	
		and when		pregnancy.	
	require	ed)	Deworming	- Give Albomic suspension @ 5ml per adult.	
Pig		3 months of	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.	
	age (as require	and when d)	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.	
	_		(Diarrnea) Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week	
			I IVKS	while brushing the animal.	
Cattle / Buff	falo/ Above	3 months of	Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun	0	and when	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
	require	required)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:					
Type of Farming	Stage & Management		Agro-metrological advisor	ies	
Carp/	Harvesting ar	nd stock	- Fish harvesting can b	e started.	
Catfish	maintenance		- Stock fish for next year and for this practices mentioned below may be done in small scale.		
culture			- Ponds should be free from unwanted vegetation and insects and water depth should be		
			maintained at 1.0-1.5m		
				ided 1-2 times a day @ 3 % body weight per day.	
			XX7 11 1 1 1 C 1 C	artified with without and minerals should be movided	
				ortified with vitamins and minerals should be provided. 41itre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	

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



## "Integrated Agromet Advisory Services"

# MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Imphal-West

Significant past weather for the preceding bi-weekly of Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	Weather forecast for next five days of Imphal-West (5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{\text{st}}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was $28.7-30.4$ °C, range of minimum temperature observed was $16.0 - 17.4$ °C, mean relative humidity observed in morning and afternoon were 86.25 % and $61.25$ % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	may reach upto 99 % (maximum RH) & 50 % (minimum

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			ry sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation		- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal Decis (Deltamethrin 12 %) @ 7ml /15



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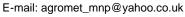


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		4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	
	- Feeds should be prov	n. ided 1-2 times a day @ 3 % body weight per day. prtified with vitamins and minerals should be provided.	
maintenance	<ul> <li>Stock fish for next year and for this practices mentioned below may be done in small scale.</li> <li>Ponds should be free from unwanted vegetation and insects and water depth should be</li> </ul>		
Management			
Stage &	Agro-metrological advices	ios	
1,	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
alo/ Above 3 months of	Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
		while brushing the animal.	
		- Deworm using Piperazine citrate @ 30 ml per adult animal once. Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week	
requireu)	(Diarrhea)	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
age (as and when required)	Coccidial infection	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.	
Above 3 months of	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.	
required)	Deworming	- Give Albomic suspension @ 5ml per adult.	
-	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
		Stir the litter material regularly and add unbaked lime.	
required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
groups (as and when		along with glucose.	
or on the stuge		Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days	
	Disease/ infectation	Agro-meteorological advisories	
ianaas		direct contact with soil.	
		Provide bedding material/ support system for immature fruits to avoid	
		- Do not harvest when it rains.	
-		transportation or storing for 10-12 days.	
Fruiting/		<ul><li> - 45-60 days old seedlings may be transplanted.</li><li> Fully grown fruit of yellowish in colour may be harvested for</li></ul>	
		damaged.	
		- check that the new sprouts/ young plants in nursery beds are not	
		- For 25 sq m area we need $\frac{1}{2}$ kg seeds.	
inuisery raising		measures against soil borne diseases.	
Nursery raising		dose is required.         - Apply Captan 50 WP during final land preparation as preventive	
		- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the	
sowing		Spaning may be maintained at 10cm x 20-25cm apart.	
preparation &		- Avoid damping off by adding Captan 50WP in the soil of bed.	
et Land		- Well drained soil is best for growing spinach beet.	
		thoroughly to improve soil fertility. - Seed rate is 100g seeds for 100 sq. m.	
		- Apply 200-250 kg of FYM (@ 1/2 cart load) in 100 sq. m and mix	
sowing		before sowing to protect seeds from ant and other insects.	
		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days	
Land		- Select area with bright sunshine rich in organic manure for preparing	
	Et       Land preparation & sowing         Nursery raising         Nursery raising         Fruiting/ harvesting         Fruiting/ harvesting         Ences         imal         Growth stage         All susceptible age groups (as and when required)         t       Above 3 months of age (as and when required)         t       Above 3 months of age (as and when required)         alo/       Above 3 months of age (as and when required)         stage & 	preparation & sowing       it       Land preparation & sowing         st       Land preparation & sowing       it         Nursery raising       Nursery raising         Fruiting/ harvesting       Fruiting/ harvesting         imal       Growth stage       Disease/ infestation         All susceptible age groups (as and when required)       Coccidiosis         t       Above 3 months of age (as and when required)       Deworming         t       Above 3 months of age (as and when required)       Skin infection         Deworming       Skin infection         ind/       Above 3 months of age (as and when required)       Fasciolosis         beworming       Ticks         infection       Skin infection         Stage & Management       Pasciolosis         Harvesting and stock maintenance       - Fish harvesting can b         Stock fish for next ye is pool should be free maintained at 1.0-1.5n - Feeds should be provide the provide	

(I. Meghachandra Singh) Scientist i/c, GKMS

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### "Integrated Agromet Advisory Services"

## MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Senapati

Significant past weather for the preceding bi-weekly of Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	Weather forecast for next five days of Senapati (5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was $28.7-30.4$ °C, range of minimum temperature observed was $16.0 - 17.4$ °C, mean relative humidity observed in morning and afternoon were 86.25 % and $61.25$ % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $23.0 - 26.0$ °C & minimum temp. $8.0 - 10.0$ °C. Relative humidity may reach upto 99 % (maximum RH) & 49 % (minimum RH). The average wind speed may be 3-4 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			J
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
per litre solution. Fo			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation		- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal <i>Decis</i> ( <i>Deltamethrin 12 %</i> ) @ 7ml/15 <i>litre of water</i> may be sprayed after the harvest of mature ones.
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days



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



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	sowing		<ul> <li>before sowing to protect seeds from ant and other insects.</li> <li>Apply 200-250 kg of FYM (@ ½ cart load) in 100 sq. m and mix thoroughly to improve soil fertility.</li> <li>Seed rate is 100g seeds for 100 sq. m.</li> </ul>
Spinach beet (Palak)	Land preparation & sowing		<ul> <li>Well drained soil is best for growing spinach beet.</li> <li>Avoid damping off by adding Captan 50WP in the soil of bed.</li> <li>Spaning may be maintained at 10cm x 20-25cm apart.</li> <li>Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose is required.</li> </ul>
Onion	Nursery raising		<ul> <li>Apply Captan 50 WP during final land preparation as preventive measures against soil borne diseases.</li> <li>For 25 sq m area we need ½ kg seeds.</li> <li>check that the new sprouts/ young plants in nursery beds are not damaged.</li> <li>45-60 days old seedlings may be transplanted.</li> </ul>
Tomato	Fruiting/ harvesting		<ul> <li>Fully grown fruit of yellowish in colour may be harvested for transportation or storing for 10-12 days.</li> <li>Do not harvest when it rains.</li> <li>Provide bedding material/ support system for immature fruits to avoid direct contact with soil.</li> </ul>
Animal Sciences			· · · · · ·
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days along with glucose.
	required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Litter management	Stir the litter material regularly and add unbaked lime.
Sheep/ Goat	Above 3 months of age (as and when	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.
	required)	Deworming	- Give Albomic suspension @ 5ml per adult.
Pig	Above 3 months of	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.
	age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.
		Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.
Cattle / Buffalo/	Above 3 months of	Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.
Mithun	age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
	required)	Tialra/Wounda	Toniours Spray may be used twice doily on the offected parts

Fishery:

Type of	Stage &	Agro-metrological advisories
Farming	Management	
Carp/	Harvesting and stock	- Fish harvesting can be started.
Catfish	maintenance	- Stock fish for next year and for this practices mentioned below may be done in small scale.
culture		- Ponds should be free from unwanted vegetation and insects and water depth should be
		maintained at 1.0-1.5m.
		- Feeds should be provided 1-2 times a day @ 3 % body weight per day.
		- Well balanced feed fortified with vitamins and minerals should be provided.
		- Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.

Topicure Spray may be used twice daily on the affected parts.

Ticks/ Wounds

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



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



### "Integrated Agromet Advisory Services"

# MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Tamenglong

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Tamenglong
Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	(5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was 28.7– 30.4 °C, range of minimum temperature observed was 16.0 – 17.4 °C, mean relative humidity observed in morning and afternoon were 86.25 % and 61.25 % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $27.0 - 29.0$ °C & minimum temp. $10.0 - 14.0$ °C. Relative humidity may reach upto 97 % (maximum RH) & 51 % (minimum RH). The average wind speed may be 4-5 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation	> 0.00000 m 10g	- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal Decis (Deltamethrin 12 %) @ 7ml/15



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



			<i>litre of water</i> may be sprayed after the harvest of mature ones.	
Coriander	Land		- Select area with bright sunshine rich in organic manure for preparing	
	preparation &		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days	
	sowing		before sowing to protect seeds from ant and other insects.	
	C		- Apply 200-250 kg of FYM (@ <sup>1</sup> / <sub>2</sub> cart load) in 100 sq. m and mix	
			thoroughly to improve soil fertility.	
			- Seed rate is 100g seeds for 100 sq. m.	
Spinach be	et Land		- Well drained soil is best for growing spinach beet.	
(Palak)	preparation &		- Avoid damping off by adding Captan 50WP in the soil of bed.	
	sowing		Spaning may be maintained at 10cm x 20-25cm apart.	
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the	
			dose is required.	
Onion	Nursery raising		- Apply Captan 50 WP during final land preparation as preventive	
			measures against soil borne diseases.	
			- For 25 sq m area we need ½ kg seeds.	
			- check that the new sprouts/ young plants in nursery beds are not	
			damaged.	
			- 45-60 days old seedlings may be transplanted.	
Tomato	Fruiting/		- Fully grown fruit of yellowish in colour may be harvested for	
	harvesting		transportation or storing for 10-12 days.	
			- Do not harvest when it rains.	
			Provide bedding material/ support system for immature fruits to avoid	
			direct contact with soil.	
Animal Sc			7	
Name of the a	Growth Stuge	Disease/ infestation	Agro-meteorological advisories	
Poultry	All susceptible age groups (as and whe		Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days along with glucose.	
	required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
		Litter management	Stir the litter material regularly and add unbaked lime.	
Sheep/ Goa	t Above 3 months of		- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of	
Sheep, Gou	age (as and when		pregnancy.	
	required)	Deworming	- Give Albomic suspension @ 5ml per adult.	
Pig	Above 3 months of	-	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.	
IIg	age (as and when	Coccidial infection		
	required)	(Diarrhea)	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.	
		(Diarinea) Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
		Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel	
		TICKS	while brushing the animal.	
Cattle / Buff	alo/ Above 3 months of	Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun	age (as and when		Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
	required)	Deworming		
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:		·		
Type of Farming	Stage & Management	Agro-metrological advisories		
Carp/ Harvesting and stock		- Fish harvesting can be started.		
Catfish	maintenance		ear and for this practices mentioned below may be done in small scale.	
culture			from unwanted vegetation and insects and water depth should be	
		maintained at 1.0-1.5m		
			rided 1-2 times a day @ 3 % body weight per day.	
			ortified with vitamins and minerals should be provided.	
	1	A multi Custon AO @	4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	

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



## "Integrated Agromet Advisory Services"

# MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Thoubal

Significant past weather for the preceding bi-weekly of Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	Weather forecast for next five days of Thoubal (5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{st}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was $28.7-30.4$ °C, range of minimum temperature observed was $16.0 - 17.4$ °C, mean relative humidity observed in morning and afternoon were 86.25 % and $61.25$ % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $26.0 - 29.0$ °C & minimum temp. $11.0 - 13.0$ °C. Relative humidity may reach upto 100 % (maximum RH) & 64 % (minimum RH). The average wind speed may be 2 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Potato	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 60cm X 15-20cm. Recommended varieties are Kufri Megha and Kufri Jyoti. Seed rate is 25-30 quintals/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation		- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal Decis (Deltamethrin 12 %) @ 7ml/15



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



<u> </u>			<i>litre of water</i> may be sprayed after the harvest of mature ones.	
Coriander	Land		- Select area with bright sunshine rich in organic manure for preparing	
	preparation &		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days	
	sowing		before sowing to protect seeds from ant and other insects.	
			- Apply 200-250 kg of FYM (@ <sup>1</sup> / <sub>2</sub> cart load) in 100 sq. m and mix	
			thoroughly to improve soil fertility. - Seed rate is 100g seeds for 100 sq. m.	
Spinach be	et Land		- Well drained soil is best for growing spinach beet.	
(Palak)	preparation &		- Avoid damping off by adding Captan 50WP in the soil of bed.	
(I alak)	sowing		Spaning may be maintained at 10cm x 20-25cm apart.	
	50 mig		- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the	
			dose is required.	
Onion	Nursery raising		- Apply Captan 50 WP during final land preparation as preventive	
			measures against soil borne diseases.	
			- For 25 sq m area we need 1/2 kg seeds.	
			- check that the new sprouts/ young plants in nursery beds are not	
			damaged.	
	<b>.</b>		- 45-60 days old seedlings may be transplanted.	
Tomato	Fruiting/		- Fully grown fruit of yellowish in colour may be harvested for	
	harvesting		transportation or storing for 10-12 days. - Do not harvest when it rains.	
			Provide bedding material/ support system for immature fruits to avoid	
			direct contact with soil.	
Animal Sc	rioncos		direct condict with son.	
Name of the a		Disease/ infestation	Agro-meteorological advisories	
Poultry	All susceptible age	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days	
	groups (as and when	l	along with glucose.	
	required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
		Litter management	Stir the litter material regularly and add unbaked lime.	
Sheep/ Goa		Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of	
	age (as and when		pregnancy.	
	required)	Deworming	- Give Albomic suspension @ 5ml per adult.	
Pig	Above 3 months of	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.	
	age (as and when	Coccidial infection	Ofloxacine/ Ornidazole $(O_2)$ tab twice daily for 5 days.	
	required)	(Diarrhea)		
		Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
		Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a weel	
			while brushing the animal.	
Cattle / Buf		Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun	age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
	requireu)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:	1			
Type of Farming	Stage & Management	Agro-metrological advisories		
Carp/	Harvesting and stock	<ul> <li>Fish harvesting can be started.</li> <li>Stock fish for next year and for this practices mentioned below may be done in small scale.</li> <li>Ponds should be free from unwanted vegetation and insects and water depth should be</li> </ul>		
Catfish	maintenance			
culture				
		maintained at 1.0-1.5m.		
			vided 1-2 times a day @ 3 % body weight per day.	
			ortified with vitamins and minerals should be provided.	
			4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	

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



### "Integrated Agromet Advisory Services"

### MANIPUR BULLETIN 4<sup>th</sup> November, 2014

#### Ukhrul

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Ukhrul
Imphal - West (31 <sup>st</sup> October to 3 <sup>rd</sup> November, 2014)	(5 <sup>th</sup> to 9 <sup>th</sup> November, 2014)
During past four days sky was mainly clear to partly cloudy but mainly cloudy during morning hours of $31^{\text{st}}$ Oct. <b>5.0 mm</b> rainfall was recorded during past four days. Maximum temperature range observed was $28.7-30.4$ °C, range of minimum temperature observed was $16.0 - 17.4$ °C, mean relative humidity observed in morning and afternoon were 86.25 % and $61.25$ % respectively. The average wind speed range was $1.1 - 1.9$ km/hr.	There may be light rains on Thursday. Sky may be mainly clear to partly cloudy with maximum temp. of $23.0 - 25.0$ °C & minimum temp. 7.0 – 9.0 °C. Relative humidity may reach upto 99 % (maximum RH) & 60 % (minimum RH). The average wind speed may be 3-4 km/ hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			J
Kharif Rice	Maturity & harvesting		<ul> <li>Drain out water before harvesting.</li> <li>Harvesting of rice may be done before Monday if 80 % of the spikelet is yellow &amp; facility for threshing is available.</li> <li>Stacking of the harvested panicles for 5-7 days by turning the heap of panicles can help in better threshing.</li> <li>Clean and sundry seeds properly before storage.</li> </ul>
Rapeseed/ mustard	Sowing		<ul> <li>After harvesting rice, zero tillage rape seed may be sown when the field is slightly in muddy condition.</li> <li>Apply 65kg Urea + 188kg SSP + 50kg MOP as basal dose before sowing.</li> <li>Recommended variety – M-27. Seed rate is 10-12 kg/ ha.</li> <li>Treat seeds with Mencozeb @2g/kg seed for the control of white rust and downey mildew at seedling stage.</li> </ul>
Field pea	Land preparation to sowing		Land preparation may be done. Sowing may be done at a spacing of 30cm X 10-15cm. Recommended variety - Rachana. Seed rate is 75 kg/ hectare.
Groundnut	Maturity to harvesting		<ul> <li>Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint inside the shell appears.</li> <li>Make bundles and dry the crops in shade for 2-3 days for curing. Dry it for 4-5 days before storage. Select good quality pods for seeds.</li> </ul>
Blackgram	Maturity & harvesting		Harvest mature crops.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
			y sowing of vegetables. Drench the nursery bed with 2.5 ml Cloropyriphos etable crop mix thoroughly with 2-3 g Carbendazim per kg seed.
Ginger/ Turmeric	Rhizome formation		- Spray Carbendazim @2.5 g/lit of water for rhizome rot.
Brinjal	Fruiting to harvesting		For fruit and shoot borer of brinjal <i>Decis</i> ( <i>Deltamethrin 12 %</i> ) @ 7ml/15 <i>litre of water</i> may be sprayed after the harvest of mature ones.
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days



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



# "Integrated Agromet Advisory Services"

	sowing		<ul> <li>before sowing to protect seeds from ant and other insects.</li> <li>Apply 200-250 kg of FYM (@ ½ cart load) in 100 sq. m and mix thoroughly to improve soil fertility.</li> <li>Seed rate is 100g seeds for 100 sq. m.</li> </ul>
Spinach beet (Palak)	Land preparation & sowing		<ul> <li>Well drained soil is best for growing spinach beet.</li> <li>Avoid damping off by adding Captan 50WP in the soil of bed.</li> <li>Spaning may be maintained at 10cm x 20-25cm apart.</li> <li>Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose is required.</li> </ul>
Onion	Nursery raising		<ul> <li>Apply Captan 50 WP during final land preparation as preventive measures against soil borne diseases.</li> <li>For 25 sq m area we need ½ kg seeds.</li> <li>check that the new sprouts/ young plants in nursery beds are not damaged.</li> <li>45-60 days old seedlings may be transplanted.</li> </ul>
Tomato	Fruiting/ harvesting		<ul> <li>Fully grown fruit of yellowish in colour may be harvested for transportation or storing for 10-12 days.</li> <li>Do not harvest when it rains.</li> <li>Provide bedding material/ support system for immature fruits to avoid direct contact with soil.</li> </ul>
Animal Sciences		1	
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give preventive dose of Coximar @ 1g/ lit of drinking water for 7 days along with glucose.
		Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
		Litter management	Stir the litter material regularly and add unbaked lime.
Sheep/ Goat	Above 3 months of age (as and when required)	Tetanus	- In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.
		Deworming	- Give Albomic suspension @ 5ml per adult.
Pig	Above 3 months of age (as and when required)	Skin infection	Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight.
		Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.
		Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.
		Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.
Cattle / Buffalo/	Above 3 months of	Fasciolosis	- Give Tolzan-F @30 ml/ 100 kg body weight.
Mithun	age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/Wounds	Tonigura Spray may be used twice daily on the affected parts

Fishery:

Type of	Stage &	Agro-metrological advisories	
Farming	Management		
Carp/	Harvesting and stock	- Fish harvesting can be started.	
Catfish	maintenance	- Stock fish for next year and for this practices mentioned below may be done in small scale.	
culture		- Ponds should be free from unwanted vegetation and insects and water depth should be	
		maintained at 1.0-1.5m.	
		- Feeds should be provided 1-2 times a day @ 3 % body weight per day.	
		- Well balanced feed fortified with vitamins and minerals should be provided.	
		- Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water.	

Topicure Spray may be used twice daily on the affected parts.

Ticks/ Wounds

(I. Meghachandra Singh) Scientist i/c, GKMS