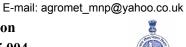
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Bishnupur

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Bishnupur
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. <b>68.7</b>	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 23.0 – 29.0 °C & minimum temp. 13.0 °C. Relative
minimum temperature observed was 19.0 - 23.8 °C, mean	humidity may reach upto 99 % (max RH) & 78 % (min RH).
relative humidity observed in morning and afternoon were	The average wind speed may be 2-4 km/ hr during next five
87.5 % and 84.5 % respectively. The average wind speed	days. The Wind direction may north easterly to easterly during
range was 2.3 – 5.4 km/hr.	next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops			
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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



# "Gramin Krishi Mausam Seva"

			and of according infractation
Cabbagy	Nue		case of severe infestation.
Cabbage	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days ol	ld	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days ol	d	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
Animal Sciences	I	1	·
Name of the animal	0	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups		only and repeat with half dose after 7 days. Also, deworm at every 3
			weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
		pox	
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of		1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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



### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Chandel

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Chandel
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. 68.7	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 23.0 – 27.0 °C & minimum temp. 16.0 – 17.0 °C.
minimum temperature observed was 19.0 – 23.8 °C, mean	Relative humidity may reach upto 99 % (max RH) & 81 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may north easterly to
range was 2.3 – 5.4 km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops		_1	
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops			
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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



# "Gramin Krishi Mausam Seva"

			and a Constant in Contration
<u>C 11</u>	N		case of severe infestation.
Cabbage	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days ol	ld	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days ol	ld	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
Animal Sciences			
Name of the anima	0	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups		only and repeat with half dose after 7 days. Also, deworm at every 3
			weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
		Vaccination for Fowl	<ul> <li>Start keeping new batch chicks in case of layer variety.</li> <li>Vaccine has to be given for Fowl pox.</li> </ul>
		pox	-vaccine has to be given for Fowr pox.
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of	-	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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



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



### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Churachandpur

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Churachandpur
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. <b>68.7</b>	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 25.0 – 29.0 °C & minimum temp. 19.0 – 20.0 °C.
minimum temperature observed was 19.0 - 23.8 °C, mean	Relative humidity may reach upto 99 % (max RH) & 78 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may easterly to south
range was 2.3 – 5.4 km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops	1		
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops		1	
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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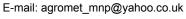


# "Gramin Krishi Mausam Seva"

			case of severe infestation.
Cabbage	Nurser		
Cabbage	Nursery		<ul> <li>Sowing of main season crop may be done.</li> <li>Provide removable rain shelter facility like bamboo mat/ polythene sheet</li> </ul>
			for the young seedlings below 20 days old.
	T 1		
	Transplanting	1	- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days of	d	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
~	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days ol	d	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
<i>Animal Sciences</i> Name of the anima	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups	Care & management	only and repeat with half dose after 7 days. Also, deworm at every 3
	groups		weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
		pox	v deeme has to be given for i own pox.
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
-	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of	-	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Imphal-East

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Imphal - East
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. 68.7	There may be light rain upto 15 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 26.0 – 28.0 °C & minimum temp. 16.0 – 17.0 °C.
minimum temperature observed was 19.0 – 23.8 °C, mean	Relative humidity may reach upto 100 % (max RH) & 81 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may north easterly to
range was $2.3 - 5.4$ km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops		- H	
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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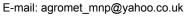


# "Gramin Krishi Mausam Seva"

			case of severe infestation.
Cabbage	Nurser		
Cabbage	Nursery		<ul> <li>Sowing of main season crop may be done.</li> <li>Provide removable rain shelter facility like bamboo mat/ polythene sheet</li> </ul>
			for the young seedlings below 20 days old.
	T 1		
	Transplanting	1	- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days of	d	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
~	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days ol	d	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
<i>Animal Sciences</i> Name of the anima	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups	Care & management	only and repeat with half dose after 7 days. Also, deworm at every 3
	groups		weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
		pox	v deeme has to be given for i own pox.
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
-	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of	-	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Imphal-West

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Imphal - West
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. 68.7	There may be light rain upto 15 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 25.0 – 28.0 °C & minimum temp. 16.0 – 17.0 °C.
minimum temperature observed was 19.0 - 23.8 °C, mean	Relative humidity may reach upto 100 % (max RH) & 81 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may north easterly to
range was 2.3 – 5.4 km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops		- H	
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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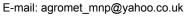


# "Gramin Krishi Mausam Seva"

			case of severe infestation.
Cabbage	Nurser		
Cabbage	Nursery		<ul> <li>Sowing of main season crop may be done.</li> <li>Provide removable rain shelter facility like bamboo mat/ polythene sheet</li> </ul>
			for the young seedlings below 20 days old.
	T 1		
	Transplanting	1	- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days of	d	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
~	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days ol	d	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
<i>Animal Sciences</i> Name of the anima	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups	Care & management	only and repeat with half dose after 7 days. Also, deworm at every 3
	groups		weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
		pox	v deeme has to be given for i own pox.
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
-	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of	-	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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





### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Senapati

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Senapati
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. 68.7	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of $22.0 - 26.0$ °C & minimum temp. $12.0 - 15.0$ °C.
minimum temperature observed was 19.0 - 23.8 °C, mean	Relative humidity may reach upto 100 % (max RH) & 75 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may easterly to south
range was 2.3 – 5.4 km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops			
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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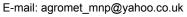


# "Gramin Krishi Mausam Seva"

			case of severe infestation.
Cabbasa	Numaamu		
Cabbage	Nursery		<ul> <li>Sowing of main season crop may be done.</li> <li>Provide removable rain shelter facility like bamboo mat/ polythene sheet</li> </ul>
			for the young seedlings below 20 days old.
	T 1		
	Transplanting	1	- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days of	d	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
~	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
	T 1		for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days of	d	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
<i>Animal Sciences</i> Name of the anima	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups	Care & management	only and repeat with half dose after 7 days. Also, deworm at every 3
runney, Ducky	groups		weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
		pox	- v deeme has to be given for 1 owr pox.
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of	-	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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





### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Tamenglong

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Tamenglong
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. <b>68.7</b>	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 24.0 – 28.0 °C & minimum temp. 16.0 – 18.0 °C.
minimum temperature observed was 19.0 - 23.8 °C, mean	Relative humidity may reach upto 99 % (max RH) & 68 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may easterly to south
range was $2.3 - 5.4$ km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops		- H	
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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



# "Gramin Krishi Mausam Seva"

			case of severe infestation.
Cabbage	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days of		basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days of		basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
Animal Sciences	200000000000000000000000000000000000000		*F
Name of the anima	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups		only and repeat with half dose after 7 days. Also, deworm at every 3
	0		weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
		pox	
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of		1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of $1.0 - 1.5$ m and pH at $7.0 - 7.5$ .
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting.
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



## "Gramin Krishi Mausam Seva"

### MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Thoubal

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Thoubal
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. <b>68.7</b>	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 – 29.0 °C, range of	temp. of 24.0 – 28.0 °C & minimum temp. 16.0 – 18.0 °C.
minimum temperature observed was 19.0 - 23.8 °C, mean	Relative humidity may reach upto 100 % (max RH) & 81 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 0-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may easterly to south
range was $2.3 - 5.4$ km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops			
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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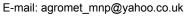


# "Gramin Krishi Mausam Seva"

			and a Constant in Contration
<u>C 11</u>	N		case of severe infestation.
Cabbage	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days ol	ld	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
	seedlings)		transplanting.
Cauliflower	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days ol	ld	basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
Animal Sciences			
Name of the anima	0	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups		only and repeat with half dose after 7 days. Also, deworm at every 3
			weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
		Vaccination for Fowl	<ul> <li>Start keeping new batch chicks in case of layer variety.</li> <li>Vaccine has to be given for Fowl pox.</li> </ul>
		pox	-vaccine has to be given for Fowr pox.
Sheep/ Goat	Above 3 months of age	Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	All age	Management	- Keep sheds dry.
	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
		Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension @
Mithun	months of	-	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
		Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.0 - 1.5 m and pH at 7.0 - 7.5.
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting

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





### "Gramin Krishi Mausam Seva"

## MANIPUR BULLETIN 13<sup>th</sup> October, 2015

#### Ukhrul

Significant past weather for the preceding bi-weekly of	Weather forecast for next five days of Ukhrul
Imphal - West (9 <sup>th</sup> to 12 <sup>th</sup> October, 2015)	(14 <sup>th</sup> to 18 <sup>th</sup> October, 2015)
During last four days sky was to partly cloudy to cloudy. <b>68.7</b>	There may be light rain upto 16 <sup>th</sup> Oct then no rain thereafter.
mm rainfall was recorded during last three days. Maximum	Sky will remain partly cloudy to mainly cloudy with maximum
temperature range observed was 22.0 - 29.0 °C, range of	temp. of 22.0 – 26.0 °C & minimum temp. 12.0 – 15.0 °C.
minimum temperature observed was 19.0 - 23.8 °C, mean	Relative humidity may reach upto 99 % (max RH) & 70 %
relative humidity observed in morning and afternoon were	(min RH). The average wind speed may be 2-4 km/ hr during
87.5 % and 84.5 % respectively. The average wind speed	next five days. The Wind direction may easterly to south
range was $2.3 - 5.4$ km/hr.	easterly during next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
	Dough stage to grain filling and		- Water level should be maintained at 5cm level upto dough stage for better growth and development.
	maturity	Blast	Spray Tricyclazole 75WP @ 9 g/ 15 lit water or Propiconazole 25EC @ 15 ml/ 15 lit water or Carbendazim 50 WP @ 15g/ 15 lit water.
		Bacterial leaf blight	Spray Copper fungicide (Blitox 0.3%) alternately with Streptocycline (250ppm).
Soybean/ Groundnut	Maturity to harvesting		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity. Thresh after 7-10 days of drying. Grain should be fully sundried to (10-12) % moisture for soybean and for grounnut pods should not have more than 5-8 % moisture. Frequent drying is suggested.
Potato	Land preparation		<ul> <li>Land preparation for planting potato may be started.</li> <li>Collect seed tubers from reliable source and treated it with Sixer (Carbendazim + Mencozeb) @ 2 gm/lit of water or Carbaryl 50 WP or Ridomil @ 2 gm/kg seed/ tubers for 20 minutes and let it dry in shed before planting as preventive measure against soil borne diseases.</li> </ul>
Storage (seed)			- Clean and store the seeds in RC-seed bins after proper drying of the desicant charcoal. Check for moisture content or weight of seeds. For grains, store in well ventilated godowns with regular check for moisture.
Horticulture Crops			
Tree Bean	Pre-bearing and bearing trees		<ul> <li>Apply 60g DAP+ 10g MOP + 20g Tracel (micronutrient mixture) to prebearing and bearing trees before flowering for better yield.</li> <li>Spray Carbendazim @ 2g/ lit water to moist the soil to a depth of 1 ft. to prevent Verticillium wilt.</li> <li>20g Carbofuran 3G/ plant may also be in-corporated as prophylactic measure against bark borer/ termites.</li> </ul>
Citrus	Bearing trees	Trunk borer	<ul> <li>Kill the trunk borer grubs.</li> <li>Clean the bore holes of the infested trunk with iron wire. Insert a cotton swab soaked in Dichlorovos or inject 5 ml of Dichloroves solution (2ml/lit of water) and paste the bore hole with mud.</li> <li>Apply lime (2-2.5 kg/tree) in a circular trench around the trunk in alternate year.</li> </ul>
Рарауа	Rhizome development	Soft rot	<ul> <li>Papaya seedling (15-20 cm in height) can be planted at a distance of 1.8 m X 1.8 m distance in the area where occurrence of frost is not common.</li> <li>For fruiting plants, spray Bavistin (0.1%) at 20 days intervals or Mancozeb or Blitox (0.2%) at 10 days interval to prevent diseases.</li> <li>To escape fruit fly attack, harvest the fruits at 1/4th ripening stage. To manage fruit flies, use pheromone traps or spray Dimethoate (0.1%) in</li> </ul>



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



# "Gramin Krishi Mausam Seva"

			case of severe infestation.
Cabbage	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene shee
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(26-30 days ol	ld	basal dose followed by 46 kg Urea in two splits dose after 20-40 days of
	seedlings)		transplanting.
Cauliflower Nurs	Nursery		- Sowing of main season crop may be done.
			- Provide removable rain shelter facility like bamboo mat/ polythene sheet
			for the young seedlings below 20 days old.
	Transplanting		- Apply 50 kg DAP, 25kg MOP and 10 cart loads of FYM/ sangam as
	(25-30 days of		basal dose followed by 25 kg Urea for early crops and 50 kg urea in two
	seedlings)		splits dose after 20-40 days of transplanting for mid season crops.
Animal Sciences		1	
Name of the animal	0	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/	All age	Care & management	- Deworm with Albendazole liquid @ 30 to 40 ml for 100 birds once
Turkey/ Duck)	groups		only and repeat with half dose after 7 days. Also, deworm at every 3
			weeks interval.
			- Proper light is to be provided for layers. No light for grower groups.
			- Start keeping new batch chicks in case of layer variety.
		Vaccination for Fowl	-Vaccine has to be given for Fowl pox.
Sheep/ Goat	Above 3	pox Deworming	- Give Ranizole suspension @ 3ml/ 10 kg body weight
Pig	months of age           All age	Management	- Keep sheds dry.
rig	groups	Deworming	Give Morantel citrate tab. (Banminth) @ 15mg/kg body weight.
	groups	Ectoparasites (skin	Add Butox @ 2ml/lit of water and brush with the solution twice every
		infestation)	fortnightly.
Cattle / Buffalo/	Above 3	Deworming	Give Rafoxamide plus Levamizole (Rafox plus)/ Ranizole suspension (a
Mithun	months of	Deworning	1ml/ 2kg body weight or 5.5ml/ 10 kg body weight (Ranizole) in lower
	age (as and		altitude.
	when	Ectoparasitic	Butox liquid @ 2 ml. in 1 litre of water and brush using the solution
	required)	infestation	twice a week
	icquircu)	Black Quarter/ Black	Vaccinate with B.Q & H.S. vaccine for all the animals of above 3
		leg disease	months
Fishery:		ieg uiseuse	monuny
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture Nu	Nurseries/ grow-	Pond and water	Maintain minimum depth of $1.0 - 1.5$ m and pH at $7.0 - 7.5$ .
	out		Apply Lime @ 25-30kg/ ha every month or broadcast Green AQ @ 2
			litre/ha by mixing with water.
		Feed	Provide feed 2 times @ 5 % body weight per day.
			Provide good feed having 30% crude protein fortified with vitamins and
			mineral.
		Fish	For semi-intensive farming, 10000-12000 fingerlings can be stocked in
			one hectare pond.
			- Stocking ratio may be maintained at 40% of surface feeder, 30% column
			feeder and 30% bottom feeder.
			- Sampling of fish for growth, disease should be done regularly by netting