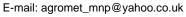
HIGH ICAR

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Chandel

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Chandel (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 – 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 29.0 -
range of minimum temperature observed was 18.2 - 19.5 °C,	32.0 °C & minimum temp. 19.0 – 21.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 89 % (max RH) & 53 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 3-4 km/ hr during next five days.
speed range was 1.5 – 5.1 km/hr.	The wind direction is likely to be westerly.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early		- Sowing may be continued.
	vegetative		- Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			· · · · · · · · · · · · · · · · · · ·
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ¹ / ₂ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ¹ / ₂ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 9 m from plant to plant.
Grapes	Transplanting		Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the top soil.
Turmeric	Vegetative		- Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Management	 To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during the day. Avoid caking of litter materials.
	_		 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
		Fascioliosis	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.
Pig	All age groups	Preventive measures	Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment.
Cattle / Buffalo/ Mithun	Above 3 months of age	Deworming Skin infections	Give Piperazine liquid @ 10-15ml orally once only Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval.
	(as and when required)		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:	1		·
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out		Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day.Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 <i>ml/kg</i> of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHER LEAR

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



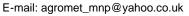
E-mail: agromet_mnp@yahoo.co.uk

"Gramin Krishi Mausam Seva"

			for grass carp.
	Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
			circular hatcheries. A mild current with fine shower is needed for circular
			hatcheries. Feed should not be given for 3 days.

HIGH ICAR

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Churachandpur

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Churachandpur (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	(27 to 51 Way, 2013)
	There may be light to mederate rains unto Sunday. Shy will be
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was $28.2 - 30.3$ °C,	partly cloudy to mainly cloudy with maximum temp. of 27.0 –
range of minimum temperature observed was 18.2 – 19.5 °C,	$30.0 \ ^{\circ}\text{C}$ & minimum temp. $17.0 - 20.0 \ ^{\circ}\text{C}$. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 98 % (max RH) & 67 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2-4 km/ hr during next five days.
speed range was 1.5 – 5.1 km/hr.	The wind direction is likely to be southerly.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early vegetative		Sowing may be continued.Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ¹ / ₂ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ¹ / ₂ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or	
Litchi	Nursery		thrice at 10 days interval after this wet spell.As the temperature is rising, present weather is favorable for nursery	
			raising or transplanting of Litchi. Two years old seedlings may be	
			used for planting during rainy season. Prepare pit of 1m in diameter	
			and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 0 m from plant to plant.	
Cranag	Transplanting		distance of 7.5 to 9 m from plant to plant.Prepare pit at a spacing of 3m x 3m under the polyhouse. One year	
Grapes	Transplaining		old seedling (variety Thomson seedless) may be planted. Give life	
			saving irrigation.	
Lime/ Lemon	Transplanting		- In fertile upland area, prepare pits of size 2x2x2 feet to transplant	
			the seeded or grafted seedlings from a reliable source.	
			- Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the	
			top soil.	
Turmeric	Vegetative		- Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.	
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may	
			be done. It may also be raised, if movable rain protective structures	
			are available with the farmers.	
Animal Sciences Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories	
Poultry (Chicken/	All age	Management	- To avoid dehydration give vit C in drinking water along with other	
Turkey/ Duck)	groups	8	vitamins/ ORS during the day.	
			- Avoid caking of litter materials.	
			-Use plastic/polythene sheets on the walls of the sheds to protect from rain.	
			- Use only wholesome water. Do not provide muddy/ pond/ river water as	
			there are chances of attack of coli bacilliosea.	
			- Check and repair any water leakage in the shed.	
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.	
Sheep/ Goat	Above 3	Black Quarter/		
	months of age (as and when	Haemorhagic	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.	
	required)	Septicaemia and F.M.D.		
		Fascioliosis	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.	
Pig	All age	Preventive measures	Wholesome/ clear water must be provided after adding potassium	
116	groups	Treventive measures	permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment.	
		Deworming	Give Piperazine liquid @ 10-15ml orally once only.	
Cattle / Buffalo/	Above 3	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the	
Mithun	months of age		solution at 15 days interval.	
	(as and when		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time	
	required)		of salt feeding.	
		Black Quarter/	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases	
		Haemorhagic	mentioned.	
		Septicaemia	Vaginate against EMD	
Fishery:		F.M.D.	- Vaccinate against F.M.D.	
Type of Farming	Stage	Management	Agro-metrological advisories	
Carp culture	Nurseries/ grow-	Pond and water	Maintain minimum depth of 1.5 m.	
-	out		Apply Lime/ Green AQ for maintaining good quality water.	
		Feed	Provide 2-3 times @ 5-10% body weight per day.	
			Provide good feed having 30% crude protein fortified with vitamins and	
_	<u> </u>	D 1	mineral.	
	Brooder	Pond water and	Maintain minimum depth of $2.0-2.2$ m.	
_	David	feed	Provide feed @ 3-5 % body weight per day.	
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the broaders $@$ 0.5 m <i>l</i> /kg of Fish for action robust on directly 0.5 0.7 m <i>l</i> /kg	
			the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg	

HIGHER LEAR

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



E-mail: agromet_mnp@yahoo.co.uk

"Gramin Krishi Mausam Seva"

			for grass carp.
	Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
			circular hatcheries. A mild current with fine shower is needed for circular
			hatcheries. Feed should not be given for 3 days.

HIGHRI ICAR

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



"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Imphal-East

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Imphal- East (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 - 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 27.0 -
range of minimum temperature observed was 18.2 - 19.5 °C,	30.0 °C & minimum temp. 17.0 – 20.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 99 % (max RH) & 55 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2-3 km/ hr during next five days.
speed range was 1.5 – 5.1 km/hr.	The wind direction is likely to be westerly to north-westerly

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		Maintain optimum water level.Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early vegetative		Sowing may be continued.Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			`
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 9 m from plant to plant.
Grapes	Transplanting		Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the top soil.
Turmeric	Vegetative		- Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Management	 To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during the day. Avoid caking of litter materials.
	C		 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
		Fascioliosis	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.
Pig	All age groups	Preventive measures	Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment.
	Above 3	Deworming	Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	months of age (as and when required)	Skin infections	 Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
	Toquico)	Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:	1		
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water	Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day. Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

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



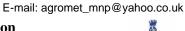
E-mail: agromet_mnp@yahoo.co.uk

"Gramin Krishi Mausam Seva"

		for grass carp.
Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
		circular hatcheries. A mild current with fine shower is needed for circular
		hatcheries. Feed should not be given for 3 days.

HIP HOLE

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Imphal-West

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Imphal- West (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 - 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 28.0 –
range of minimum temperature observed was 18.2 – 19.5 °C,	31.0 °C & minimum temp. 18.0 – 21.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 99 % (max RH) & 60 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2 km/ hr during next five days. The
speed range was $1.5 - 5.1$ km/hr.	wind direction is likely to be westerly to north-westerly

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			·
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early		- Sowing may be continued.
	vegetative		- Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	· · ·		
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ¹ / ₂ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ¹ / ₂ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a
Grapes	Transplanting		 distance of 7.5 to 9 m from plant to plant. Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the
Turmeric	Vegetative		 top soil. Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences	Constant starts	D'anna / 'a fanta d'an	
	Growth stage All age	Disease/ infestation Management	Agro-meteorological advisories - To avoid dehydration give vit C in drinking water along with other
Poultry (Chicken/ Turkey/ Duck)	groups	Wallagement	 vitamins/ ORS during the day. Avoid caking of litter materials.
			 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat Above 3 months of age (as and when Black Quarter/ Haemorhagic Septicaemia and		Haemorhagic	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
		Fascioliosis	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.
Pig	All age groups	Preventive measures	Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment.
		Deworming	Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	Above 3 months of age	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval.
	(as and when required)		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water	Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day. Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHER LEAR

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



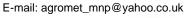
E-mail: agromet_mnp@yahoo.co.uk

"Gramin Krishi Mausam Seva"

		for grass carp.
Hatcher	ries water	Hatching can be done in traditional hapas having outer & inner hapas or
		circular hatcheries. A mild current with fine shower is needed for circular
		hatcheries. Feed should not be given for 3 days.

HIGH ICAR

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Senapati

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Senapati (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 - 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 26.0 –
range of minimum temperature observed was 18.2 - 19.5 °C,	29.0 °C & minimum temp. 15.0 – 18.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 94 % (max RH) & 50 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2 km/ hr during next five days. The
speed range was $1.5 - 5.1$ km/hr.	wind direction is likely to be North-westerly.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early		- Sowing may be continued.
	vegetative		- Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ¹ / ₂ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ¹ / ₂ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 9 m from plant to plant.
Grapes	Transplanting		Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the
Turmeric	Vegetative		top soil. - Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	/ All age groups	Management	 To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during the day. Avoid caking of litter materials.
			 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorhagic Septicaemia and F.M.D. Fascioliosis	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Pig	All age groups	Preventive measures	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after
		Deworming	proper treatment. Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	Above 3 months of age	Skin infections	 Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval.
	(as and when required)		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:	1		_
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water Feed	Maintain minimum depth of 1.5 m.Apply Lime/ Green AQ for maintaining good quality water.Provide 2-3 times @ 5-10% body weight per day.
		reca	Provide 2-5 times @ 5-10% body weight per day. Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHER LEAR

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



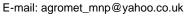
E-mail: agromet_mnp@yahoo.co.uk

"Gramin Krishi Mausam Seva"

			for grass carp.
	Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
			circular hatcheries. A mild current with fine shower is needed for circular
			hatcheries. Feed should not be given for 3 days.

HIGH ICAR

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Tamenglong

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Tamenglong (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 – 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 28.0 -
range of minimum temperature observed was 18.2 – 19.5 °C,	31.0 °C & minimum temp. 18.0 – 20.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 98 % (max RH) & 67 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2 km/ hr during next five days. The
speed range was 1.5 – 5.1 km/hr.	wind direction is likely to be south-westerly.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early		- Sowing may be continued.
	vegetative		- Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	· · ·		
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 9 m from plant to plant.
Grapes	Transplanting		Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the
Turmeric	Vegetative		top soil. - Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken, Turkey/ Duck)	/ All age groups	Management	 To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during the day. Avoid caking of litter materials.
			 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorhagic Septicaemia and F.M.D. Fascioliosis	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Pig	All age groups	Preventive measures	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after
		Deworming	proper treatment. Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	Above 3 months of age	Skin infections	 Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval.
	(as and when required)		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water	Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day. Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHE LAT

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

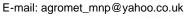


"Gramin Krishi Mausam Seva"

		for grass carp.
Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
		circular hatcheries. A mild current with fine shower is needed for circular
		hatcheries. Feed should not be given for 3 days.

HIGH ICAR

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Thoubal

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Thoubal (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 - 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 28.0 –
range of minimum temperature observed was 18.2 - 19.5 °C,	30.0 °C & minimum temp. 18.0 – 20.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 97 % (max RH) & 59 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 4 km/ hr during next five days. The
speed range was $1.5 - 5.1$ km/hr.	wind direction is likely to be north-westerly.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early		- Sowing may be continued.
	vegetative		- Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	······································		
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a
Grapes	Transplanting		distance of 7.5 to 9 m from plant to plant.Prepare pit at a spacing of 3m x 3m under the polyhouse. One yearold seedling (variety Thomson seedless) may be planted. Give lifesaving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the top soil.
Turmeric	Vegetative		 Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences Name of the animal		Disease/ infestation	A and motional advisories
Poultry (Chicken/	Growth stage All age	Management	Agro-meteorological advisories - To avoid dehydration give vit C in drinking water along with other
Turkey/ Duck)	groups	Management	 vitamins/ ORS during the day. Avoid caking of litter materials.
			 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat Above 3 months of age (as and when required)		Black Quarter/ Haemorhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
		Fascioliosis	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.
Pig	All age groups	Preventive measures	Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment.
		Deworming	Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	Above 3 months of age	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval.
	(as and when required)		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water	Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day. Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHE 241

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



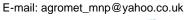
E-mail: agromet_mnp@yahoo.co.uk

"Gramin Krishi Mausam Seva"

			for grass carp.
	Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
			circular hatcheries. A mild current with fine shower is needed for circular
			hatcheries. Feed should not be given for 3 days.

HIGH ICAR

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





"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Ukhrul

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Ukhrul (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 – 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 26.0 –
range of minimum temperature observed was 18.2 - 19.5 °C,	29.0 °C & minimum temp. 15.0 – 18.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 86 % (max RH) & 43 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2-3 km/ hr during next five days.
speed range was $1.5 - 5.1$ km/hr.	The wind direction is likely to be Westerly to North-westerly.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		Maintain optimum water level.Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early vegetative		Sowing may be continued.Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 - 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ½ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ½ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 9 m from plant to plant.
Grapes	Transplanting		Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the
Turmeric	Vegetative		top soil. - Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken, Turkey/ Duck)	/ All age groups	Management	 To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during the day. Avoid caking of litter materials.
			 -Use plastic/polythene sheets on the walls of the sheds to protect from rain. - Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. - Check and repair any water leakage in the shed.
		Coccidiosis	- Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorhagic Septicaemia and F.M.D. Fascioliosis	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Pig	All age groups	Preventive measures	Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment
		Deworming	proper treatment. Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	Above 3 months of age	Skin infections	 Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval.
	(as and when required)		* For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water	Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water.
		Feed	Provide 2-3 times @ 5-10% body weight per day. Provide good feed having 30% crude protein fortified with vitamins and mineral.
	Brooder	Pond water and feed	Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHE LAT

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

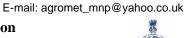


"Gramin Krishi Mausam Seva"

		for grass carp.
Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
		circular hatcheries. A mild current with fine shower is needed for circular
		hatcheries. Feed should not be given for 3 days.

HIP HOLE

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



"Gramin Krishi Mausam Seva"

MANIPUR BULLETIN 26th May, 2015

Bishnupur

Significant past weather for the preceding bi-weekly of Imphal - West (22 nd to 25 th May, 2015)	Weather forecast for next five days of Bishnupur (27 th to 31 st May, 2015)
During last four days sky was mainly clear to partly cloudy.	
24.0 mm rainfall was recorded during last four days.	There may be light to moderate rains upto Sunday. Sky will be
Maximum temperature range observed was 28.2 - 30.3 °C,	partly cloudy to mainly cloudy with maximum temp. of 27.0 –
range of minimum temperature observed was 18.2 - 19.5 °C,	30.0 °C & minimum temp. 18.0 – 20.0 °C. Relative humidity
mean relative humidity observed in morning and afternoon	may reach upto 98 % (max RH) & 60 % (min RH). The
were 86.25 % and 64.5 % respectively. The average wind	average wind speed may be 2 km/ hr during next five days. The
speed range was 1.5 – 5.1 km/hr.	wind direction is likely to be westerly to north-westerly

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Pre-kharif Rice	Grain filling stage		- Maintain optimum water level.
			- Check for any insect-pest infestation in the crop.
Kharif Rice	Nursery to land preparation of main field		 Maintain 2-3cm water level initially and drain out drain out completely before sowing. Increase water level to just submerge soil surface and expose the green aerial sprout after sowing. Land preparation of main field may be started for transplanting rice seedling. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling.
Rabi Maize	Cob maturity to harvesting		- For seeds harvest when the colour of silk turns black and it must be dried to 13-14% moisture content for storage. Store the seeds along with 2-3 layers of sheaths.
Kharif maize	Sowing to early		- Sowing may be continued.
	vegetative		- Weeding may be done for crops field.
Soybean	Sowing to early vegetative		 Sow seed @ 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. Treat seeds with Nativo@2g/kg seeds or with Bavistin@2.5g/kg seed or with Thiram.
Groundnut	Sowing to early vegetative		 Seed rate is 100 – 110 kg of kernel /ha and the recommended varieties are ICGS-75 & JL-24. Sow seeds at spacing 30cm x 15cm. Treat seeds with Imidacloprid @ 2ml/ litre water or Bavistin @ 2.5g/ kg seed or with Thiram.
Blackgram	Sowing to early vegetative		 Plot must be kept weed free to avoid insect/ pest. Seed rate is 10-15 kg seeds/ ha. Sowing may be done by broadcasting or line sowing.
Rice bean	Vegetative		Interculture operation may be done to reduce weed population to avoid insect/ pest. Apply Atrazine or Simazine @ 2kg/ha a.i. is effective for weed control.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	· · ·		
Colocasia	Vegetative		At present, earthing up may be done at 1 or 1 ¹ / ₂ month old plants (for normal sowing) and for late sown crops it may be done just after sprouting and second weeding after 1 or 1 ¹ / ₂ month. - 45-50 days old plants may be top dressed with 25 kg DAP/ sangam. - Prophylactic measures against leaf blight should be taken up. Spray



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



			Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell.
Litchi	Nursery		As the temperature is rising, present weather is favorable for nursery raising or transplanting of Litchi. Two years old seedlings may be used for planting during rainy season. Prepare pit of 1m in diameter and 1m in depth. Mix the top soil with 20-25 kg FYM. Keep a distance of 7.5 to 9 m from plant to plant.
Grapes	Transplanting		Prepare pit at a spacing of 3m x 3m under the polyhouse. One year old seedling (variety Thomson seedless) may be planted. Give life saving irrigation.
Lime/ Lemon	Transplanting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Incorporate 10-12 kg of FYM and Trichoderma @ 20g/ pit with the top soil.
Turmeric	Vegetative		- Weeding and interculture operation may be done and apply 100kg Urea and 300kg kg SSP at 2-3 months.
Cauliflower	Nursery		- Preparation of nursery for early cauliflower in the upland area may be done. It may also be raised, if movable rain protective structures are available with the farmers.
Animal Sciences	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	_	Management Coccidiosis	 To avoid dehydration give vit C in drinking water along with other vitamins/ ORS during the day. Avoid caking of litter materials. Use plastic/polythene sheets on the walls of the sheds to protect from rain. Use only wholesome water. Do not provide muddy/ pond/ river water as there are chances of attack of coli bacilliosea. Check and repair any water leakage in the shed. Give Amprolium Powder @2g/lit of drinking water for 5 to 7 days.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorhagic Septicaemia and F.M.D. Fascioliosis	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned. Give Tolzan-F @ 0.5ml/10kg body weight in association with vitamins.
Pig	All age groups	Preventive measures Deworming	 Wholesome/ clear water must be provided after adding potassium permanganate/ sanitizer for drinking water. Pond water must be given after proper treatment. Give Piperazine liquid @ 10-15ml orally once only.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	 Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fishery: Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Nurseries/ grow- out	Pond and water Feed	Maintain minimum depth of 1.5 m. Apply Lime/ Green AQ for maintaining good quality water. Provide 2-3 times @ 5-10% body weight per day.
	Brooder	Pond water and feed	 Provide good feed having 30% crude protein fortified with vitamins and mineral. Maintain minimum depth of 2.0-2.2 m. Provide feed @ 3-5 % body weight per day.
	Breeding	Hormone	Fish hormones like ovaprim, ovatide or Wova-FH can be injected in both the brooders @ 0.5 ml/kg of fish for catla, rohu and mirgal; 0.5-0.7 ml/kg

HIGHE LAT

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



"Gramin Krishi Mausam Seva"

		for grass carp.
Hatcheries	water	Hatching can be done in traditional hapas having outer & inner hapas or
		circular hatcheries. A mild current with fine shower is needed for circular
		hatcheries. Feed should not be given for 3 days.