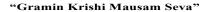


ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from $27.3-29.8~^{\circ}\text{C}$ and minimum of $19.5-21.4~^{\circ}\text{C}$. Mean relative humidity of 88.3~% max & 61.5~% min was recorded in the past four days & average wind speed was 2.7-9.1~km/hr.

Weather forecast for Ukhrul (8th to 12th May, 2019):

Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with max. temp. 27-28 °C & mini. temp. 16-17 °C. Relative humidity may reach upto 80 % (max) & 31 % (min). The average wind speed may be 7 km/hr.

average wind speed	was 2.7 – 9.1 K	III/ III'.		km/hr.
Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ntion		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation maturity	on to		- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/ Blackgram	Land prepara and Seed col			 - Land preparation for sowing soybean/ groundnut may be started. - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Managemen			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering an fruiting to ha			- Avoid fruits to touch soil. Proper staking may be done for better growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to fruiting	1		Weeding may be done.Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences		ı		
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Ranikho Coccidi	et disease osis	Vaccinate birds against Ranikhet disease. Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Dia	age groups	Cruica I	Forum	Vaccinate against swing force of the the aga of 2
Pig	Above 3 months of	Swine I Coccidi	al infection	- Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	RO/U	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
Cattle	months of	Deworr		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	uge	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworr		Give Albendazole @ 25ml/100kg body weight.
Sheep/Goat	All allillais	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be
		ivianage	ment	carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.



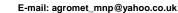
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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

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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Weather forecast for Patsoi (8th to 12th May, 2019):

Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with average max. temp. 32.6 °C & mini. temp. 21.4 °C. The average relative humidity of 92 % (max) and 38 % (min). The average wind speed may be 7.2 km/hr.

Block: Patsoi

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery		T GOV WARE GENERAL	- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ntion		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation maturity	on to		- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/ Blackgram	Land prepara and Seed col			 - Land preparation for sowing soybean/ groundnut may be started. - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Management			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering ar fruiting to ha) <i>(</i> '	- Avoid fruits to touch soil. Proper staking may be done for better growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to fruiting)		Weeding may be done.Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences		ı		
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine I	Fever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle			I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworr	ning	Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.



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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	 Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds should be fertilized prior 15 days of spawn stocking. 8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting. Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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

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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Weather forecast for Wangoi (8th to 12th May, 2019):

Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with average max. temp. 32.9 °C & mini. temp. 21.3 °C. The average relative humidity of 89.8 % (max) and 35.6 % (min). The average wind speed may be 6.6 km/hr.

Block: Wangoi

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation maturity	on to		- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/	Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/ Blackgram	and Seed col	llection		 - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Managemen			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering an fruiting to ha			- Avoid fruits to touch soil. Proper staking may be done for better growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to fruiting)		Weeding may be done.Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences	ı	1		
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine I		- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworn		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworr		Give Albendazole @ 25ml/100kg body weight.
		Manage		- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of
		gomen		carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.



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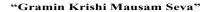
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	 Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds should be fertilized prior 15 days of spawn stocking. 8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting. Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Date of issue: 7th May, 2019 Block: Haorangsabal

Weather forecast for Haorangsabal (8th to 12th May, 2019): Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with average max. temp. 32.5 °C & mini. temp. 21.4 °C. The average relative humidity of 92.2 % (max) and 39 % (min). The average wind speed may be 7.2 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
				Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
				urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Rabi Maize	Cob formation	on to		- To control Fall of Army worm, manual destruction of egg masses and
	maturity			caterpillars may be done. Pheromone traps @ 4/ha for monitoring and
				10/ ha for mass trapping of adult insects may be done. Spray
G 1 /	Y 1			Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/	Land prepara			- Land preparation for sowing soybean/ groundnut may be started.
Blackgram	and Seed con	nection		 - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
9				soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
~ · · · · · · · · · · · · · · · · · · ·	Managemen			and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
		-		Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering as			- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to ha	arvested	3.60	growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to			- Weeding may be done.
French Dean	fruiting	,		- Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
S g	vegetative			to row) and turmeric (25cm plant to plant and 40-45cm row to row).
	7 9 2 2 2 2 2			- Weeding may be done for the crops in vegetative stage.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
	age groups			
Pig	Above 3	Swine I		- Vaccinate against swine fever after the age of 3 months.
	months of	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	age	DO / II	IC/EMD	Variante agricat B.O./H.C./EM.D.
Cattle			I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	age	Deworn Milk fe	_	Give Albendazole @30 ml per 100kg body weight. Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	age	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep/Goat	All allillais	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be
		Ivianage	Jinent	carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.
				discuse edused by files/ filosquitoes/ flexs, etc.



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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	 Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds should be fertilized prior 15 days of spawn stocking. 8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting. Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Date of issue: 7th May, 2019 Block: Hiyangthang

Weather forecast for Hiyangthang (8th to 12th May, 2019): Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with average max. temp. 32.6 °C & mini. temp. 21.3 °C. The average relative humidity of 91.8 % (max) and 37.4 % (min). The average wind speed may be 6.8 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ition		- Maintain the water level of 5-8 cm. Weeding and top dressing with
Kharif maize	Land prepara	ation		Urea @ 33kg/ ha may be done at panicle initiation stage. - Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
Rabi Maize	Cob formation maturity	on to		during final ploughing or at the time of sowing. - To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/ Blackgram	Land prepara and Seed col			 - Land preparation for sowing soybean/ groundnut may be started. - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Managemen			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering ar		Mite	 Avoid fruits to touch soil. Proper staking may be done for better growth. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to fruiting			- Weeding may be done Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences				1 0 2
Name of bird/ animal	Stage	Disea	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 months of age	Swine I Coccidi	Fever al infection	- Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle			ver	Vaccinate against B.Q./ H.S./ F.M.D. Give Albendazole @30 ml per 100kg body weight. Give mineral mixture@ 60g/day in divided dose to the pregnant ones. Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworr Manage	ning	Give Albendazole @ 25ml/100kg body weight. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.



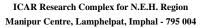
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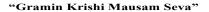
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004 "Gramin Krishi Mausam Seva"



Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture (Common carp & grass carp)	Breeding	pond	 Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp and grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds should be fertilized prior 15 days of spawn stocking. 8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting. Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds m	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.









MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3 - 29.8 °C and minimum of 19.5 - 21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7 - 9.1 km/hr.

Weather forecast for Bishnupur (8th to 12th May, 2019):

E-mail: agromet_mnp@yahoo.co.uk

Likely to have no rains during next five days. The sky will remain mainly clear with max. temp. 30-31 °C & mini. temp. 17-19 °C. Relative humidity may reach upto 91 % (max) & 38 % (min). The average wind speed may be 5-6 km/hr.

average wind speed	was 2.7 – 7.1 K	111/ 111.		
Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation maturity	on to		- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/ Blackgram	Land prepara			 - Land preparation for sowing soybean/ groundnut may be started. - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Managemen			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering an fruiting to ha			- Avoid fruits to touch soil. Proper staking may be done for better growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to fruiting)		Weeding may be done.Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences	C/a ==	Disc	/ M	A management of the Later transfer of the La
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Coccidi	et disease iosis	Vaccinate birds against Ranikhet disease. Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine I	Fever	- Vaccinate against swine fever after the age of 3 months.
	months of		ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	B.O./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of		ning	Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe	_	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	8	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep, Goat	7 VII ammais	Manage	•	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.



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



"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Weather forecast for Chandel (8th to 12th May, 2019):

Likely to have no rains during next five days. The sky will remain mainly clear with max. temp. 30-31 °C & mini. temp. 17-19 °C. Relative humidity may reach upto 78 % (max) & 24 % (min). The average wind speed may be 7-8 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	Panicle initiation		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	Land preparation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation maturity	Cob formation to maturity		- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/ Blackgram	Land preparation and Seed collection			 - Land preparation for sowing soybean/ groundnut may be started. - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Management			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Cucurbits Flowering and fruiting to har		Mite	 - Avoid fruits to touch soil. Proper staking may be done for better growth. - To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
			Witte	ml / litre of water.
French Bean	Flowering to fruiting			Weeding may be done.Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative	Planting to		Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccid	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3 Swine 1		Fever	- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccid	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of		ning	Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Management		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Dewori	ming	Give Albendazole @ 25ml/100kg body weight.
	_		ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.



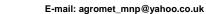
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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

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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Date of issue: 7th May, 2019

Weather forecast for Churachandpur (8th to 12th May, 2019): Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with max. temp. 30-31 °C & mini. temp. 17-19 °C. Relative humidity may reach upto 87 % (max) & 35 % (min). The average wind speed may be 5-6 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface
				and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ation		- Maintain the water level of 5-8 cm. Weeding and top dressing with
				Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of
				urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application
				during final ploughing or at the time of sowing.
Rabi Maize	Cob formation	on to		- To control Fall of Army worm, manual destruction of egg masses and
	maturity			caterpillars may be done. Pheromone traps @ 4/ha for monitoring and
				10/ ha for mass trapping of adult insects may be done. Spray
	* 1			Dimethoate30%EC@ 1ml/ litre of water.
Soybean/	Land prepara			- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/ Blackgram	and Seed col	l Seed collection		- Procure quality seed suitable to the site from reliable source.
Diackgrain				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the
Seeds storage	Post-harvest			soil 1 - 2 weeks before sowing.
Seeus storage	Managemen			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
	Managemen	L		Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				Tivola langui growin and post rodont in store.
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering as			- Avoid fruits to touch soil. Proper staking may be done for better
	fruiting to harvested			growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3
				ml / litre of water.
French Bean	Flowering to			- Weeding may be done.
	fruiting			- Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to			Spacings for planting of ginger (25cm plant to plant and 25-30cm row
	vegetative			to row) and turmeric (25cm plant to plant and 40-45cm row to row).
				- Weeding may be done for the crops in vegetative stage.
Animal Sciences Name of bird/ animal	Ctc	D:	oge/Monogenest	Agro-meteorological advisories
	Stage		ase/ Management	
Poultry (Chicken/	All		et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Dia	age groups	Craine	Zarram	Vaccinate against swing favor often the area of 2 manufactured
Pig	Above 3	Swine I		- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	BO/H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
Cattle	Above 3 months of			Give Albendazole @30 ml per 100kg body weight.
	age	Deworn Milk fe	_	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	450	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep/Goat	All allillais	Manage	ŭ	- Fly repellent must be used. Disinfection of farm and primises are to be
		ivianage	Jiiiciit	carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.
				discuse edused by files/ filosquitoes/ tieks, etc.



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"Gramin Krishi Mausam Seva"

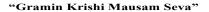
Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Date of issue: 7th May, 2019

Weather forecast for Imphal East (8th to 12th May, 2019):
Likely to have no rains during next five days. The sky will remain mainly clear with max. temp. 30-31 °C & mini. temp. 17-19 °C. Relative humidity may reach upto 88 % (max) & 31 % (min). The average wind speed may be 8-9 km/hr.

Field Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Kharif Rice	Nursery		T GOV WARE GENERAL	- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ntion		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation to maturity			- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/ Groundnut/ Blackgram	Land preparation and Seed collection			 - Land preparation for sowing soybean/ groundnut may be started. - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest Management			 For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering ar fruiting to ha) <i>(</i> '	- Avoid fruits to touch soil. Proper staking may be done for better growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to fruiting)		Weeding may be done.Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences		ı		
Name of bird/ animal	Stage		ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	iosis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine I		- Vaccinate against swine fever after the age of 3 months.
	months of age	Coccidi	ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	B.Q./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of age	Deworr	ning	Give Albendazole @30 ml per 100kg body weight.
		Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
		Manage	ement	Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
		Manage	ement	- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.



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



"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.





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

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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/ hr.

Date of issue: 7th May, 2019

Weather forecast for Imphal West (8th to 12th May, 2019): Likely to have no rains during next five days. The sky will remain mainly clear to mainly cloudy with max. temp. 30-31 °C & mini. temp. 17-19 °C. Relative humidity may reach upto 91 % (max) & 47 % (min). The average wind speed may be 4-5 km/hr.

C4			
Stage		Pest and disease	Agro-meteorological advisories
Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Panicle initia	ition		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Cob formation to maturity			- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.
and Seed collection			 - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Post-harvest Management			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Stage		Pest and disease	Agro-meteorological advisories
			- Avoid fruits to touch soil. Proper staking may be done for better growth.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Flowering to fruiting			Weeding may be done.Monitor for insect pest in the crop field.
			- Planting of colocasia/ alocasia may be done.
Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Stage	Disea	ase/ Management	Agro-meteorological advisories
All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Above 3			- Vaccinate against swine fever after the age of 3 months.
months of age	Coccidi	al infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Above 3	B.Q./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
months of			Give Albendazole @30 ml per 100kg body weight.
age	Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
			Napier/ Guinea grass may be planted as fodder crop.
All animals			Give Albendazole @ 25ml/100kg body weight.
eep/Goat All animals			- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
	Panicle initia Land prepara Cob formation maturity Land prepara and Seed col Post-harvest Management Stage Flowering ar fruiting to ha Flowering to fruiting Planting Planting Planting to vegetative Stage All susceptible age groups Above 3 months of age Above 3 months of age	Panicle initiation Land preparation Cob formation to maturity Land preparation and Seed collection Post-harvest Management Stage Flowering and fruiting to harvested Flowering to fruiting Planting Planting Planting to vegetative Stage All Ranikhous Swine I months of age months of age Above 3 months of age Above 3 months of age Above 3 months of age Above 3 months of age Above 3 months of age Above 3 months of age Above 3 months of Deworm age All animals Deworm	Panicle initiation Land preparation Cob formation to maturity Land preparation and Seed collection Post-harvest Management Stage Pest and disease Flowering and fruiting to harvested Mite Flowering to fruiting Planting Planting Planting Planting Planting Planting Planting Planting Post-harvest Management Mite Flowering to fruiting Planting Coccidiosis Stage Disease/Management All Ranikhet disease Coccidiosis age groups Above 3 Swine Fever Coccidial infection age Above 3 B.Q./ H.S./ F.M.D. Deworming Milk fever Management



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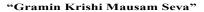


"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.



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MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Weather forecast for Senapati (8th to 12th May, 2019):

Likely to have no rains during next five days. The sky will remain mainly clear to partly cloudy with max. temp. 27-28 °C & mini. temp. 16-17 °C. Relative humidity may reach upto 91 % (max) & 38 % (min). The average wind speed may be 6 km/hr.

E: 110				
Field Crops Name of the crop	Store		Dogt and disease	A gree metaored establishments
Kharif Rice	Stage		Pest and disease	Agro-meteorological advisories
	Nursery			- After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts.
Pre-kharif Rice	Panicle initia	ition		- Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage.
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing.
Rabi Maize	Cob formation maturity	on to		- To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray Dimethoate30%EC@ 1ml/ litre of water.
Soybean/	Land prepara	ation		- Land preparation for sowing soybean/ groundnut may be started.
Groundnut/ Blackgram	and Seed col	lection		 - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
				Check for moisture content or weight of charcoal and dry if required.
				- Avoid fungal growth and pest rodent in store.
Horticulture Crops				
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories
Cucurbits	Flowering an fruiting to ha			- Avoid fruits to touch soil. Proper staking may be done for better growth.
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
French Bean	Flowering to			- Weeding may be done.
	fruiting			- Monitor for insect pest in the crop field.
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
Poultry (Chicken/	All	Ranikh	et disease	Vaccinate birds against Ranikhet disease.
Duck)	susceptible age groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
Pig	Above 3	Swine I	Fever	- Vaccinate against swine fever after the age of 3 months.
	months of age		al infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
Cattle	Above 3	B.O./ H	I.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
	months of	Deworn		Give Albendazole @30 ml per 100kg body weight.
	age	Milk fe		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
	8.	Manage		Napier/ Guinea grass may be planted as fodder crop.
Sheep/Goat	All animals	Deworn		Give Albendazole @ 25ml/100kg body weight.
Sheep Gout	7 til dillilais	Manage		- Fly repellent must be used. Disinfection of farm and primises are to be
		Tylanage	ATTICLITY .	carried out strictly. Due care need to be taken to prevent spread of
				disease caused by flies/ mosquitoes/ ticks, etc.
				discuss caused by mosquitoes, tieks, etc.



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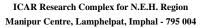
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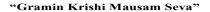


"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.









MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Date of issue: 7th May, 2019

Weather forecast for Tamenglong (8th to 12th May, 2019): Likely to have no rains during next five days. The sky will remain mainly clear with max. temp. 27-28 °C & mini. temp. 16-17 °C. Relative humidity may reach upto 94 % (max) & 45 % (min). The average wind speed may be 5 km/hr.

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Stage Nursery Panicle initiat Land preparat Cob formationaturity Land preparat and preparationaturity	n to	Pest and disease	Agro-meteorological advisories - After sowing, increase water level just to submerge the soil surface and expose the green aerial sprouts. - Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage. - Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. - To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray
Panicle initiate Land preparate Cob formation naturity Land preparate	n to		 and expose the green aerial sprouts. - Maintain the water level of 5-8 cm. Weeding and top dressing with Urea @ 33kg/ ha may be done at panicle initiation stage. - Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. - To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray
Land preparation control p	n to		 Urea @ 33kg/ ha may be done at panicle initiation stage. - Land preparation for maize cultivation can be started. Apply 60kg of urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. - To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray
Cob formation naturity	n to		 urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application during final ploughing or at the time of sowing. To control Fall of Army worm, manual destruction of egg masses and caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray
naturity Land prepara	tion		caterpillars may be done. Pheromone traps @ 4/ha for monitoring and 10/ ha for mass trapping of adult insects may be done. Spray
			Dimethoate30%EC@ 1ml/ litre of water.
and Seed coll	ection		- Land preparation for sowing soybean/ groundnut may be started.
			 - Procure quality seed suitable to the site from reliable source. - Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the soil 1 - 2 weeks before sowing.
Post-harvest Management			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required Avoid fungal growth and pest rodent in store.
Stage		Pest and disease	Agro-meteorological advisories
			- Avoid fruits to touch soil. Proper staking may be done for better growth.
		Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
Flowering to fruiting			Weeding may be done.Monitor for insect pest in the crop field.
Planting			- Planting of colocasia/ alocasia may be done.
Planting to regetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row to row) and turmeric (25cm plant to plant and 40-45cm row to row). - Weeding may be done for the crops in vegetative stage.
Stage			Agro-meteorological advisories
1			Vaccinate birds against Ranikhet disease.
sceptible e groups	Coccidi	osis	Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.
oove 3			- Vaccinate against swine fever after the age of 3 months.
onths of e	Coccidi	al infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
oove 3	B.Q./ H	.S./ F.M.D.	Vaccinate against B.Q./ H.S./ F.M.D.
onths of			Give Albendazole @30 ml per 100kg body weight.
e	Milk fe	ver	Give mineral mixture@ 60g/day in divided dose to the pregnant ones.
			Napier/ Guinea grass may be planted as fodder crop.
l animals			Give Albendazole @ 25ml/100kg body weight.
	Management		- Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
1 Sept of e	Stage lowering and ruiting to hard ruiting lanting lanting lanting lanting lanting egetative Stage ceptible agroups ove 3 anths of stage lanting lanting lanting lanting lanting to egetative	Stage lowering and ruiting to harvested lowering to ruiting lanting lanting lanting to egetative Stage Disea Ranikhe Coccidit groups ove 3 Swine For Coccidit lanting lanting to egetative Stage Disea Ranikhe Coccidit lanting lanting to egetative Stage Disea Ranikhe Coccidit lanting lanting to egetative Stage Disea Ranikhe Coccidit lanting lantin	Stage Pest and disease lowering and ruiting to harvested Mite Mite Stage Disease/ Management Ranikhet disease Coccidiosis Segroups Ove 3 Swine Fever Coccidial infection Ove 3 B.Q./ H.S./ F.M.D. Deworming Milk fever Management animals Deworming



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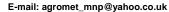
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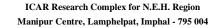


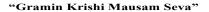
"Gramin Krishi Mausam Seva"

Fishery			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-
grass carp)			8ppm, carbon dioxide –nil.
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @
			0.5ml/kg fish for breeding in both the brooders of common carp and
			grass carp.
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds
			should be fertilized prior 15 days of spawn stocking. 8000-10,000
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases
			(if any) should be done by regular netting.
			Feeding should be done 2-3 splits a day @3-5% body weight/day.
* New fish ponds n	nay be made or o	old ones may be renovated/ c	leaned before for large scale fish culture.











MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (3rd to 6th May, 19):

19.8 mm rainfall was observed during the past four days. The skies remained partly cloudy to overcast. Maximum temperature ranged from 27.3-29.8 °C and minimum of 19.5-21.4 °C. Mean relative humidity of 88.3 % max & 61.5 % min was recorded in the past four days & average wind speed was 2.7-9.1 km/hr.

Weather forecast for Thoubal (8th to 12th May, 2019):

Likely to have no rains during next five days. The sky will remain mainly clear with max. temp. 30-31 °C & mini. temp. 17-19 °C. Relative humidity may reach upto 86 % (max) & 27 % (min). The average wind speed may be 9-10 km/hr.

average wind speed was 2.7 – 9.1 km/ hr.							
Field Crops							
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories			
Kharif Rice	Nursery			- After sowing, increase water level just to submerge the soil surface			
				and expose the green aerial sprouts.			
Pre-kharif Rice	Panicle initiation			- Maintain the water level of 5-8 cm. Weeding and top dressing with			
				Urea @ 33kg/ ha may be done at panicle initiation stage.			
Kharif maize	Land prepara	ation		- Land preparation for maize cultivation can be started. Apply 60kg of			
	Land proparation			urea, 65kg of DAP and 30 kg of MOP per hectare as a basal application			
				during final ploughing or at the time of sowing.			
Rahi Maiza	Cob formation to maturity			- To control Fall of Army worm, manual destruction of egg masses and			
Kabi Maize				caterpillars may be done. Pheromone traps @ 4/ha for monitoring and			
				10/ ha for mass trapping of adult insects may be done. Spray			
				Dimethoate30%EC@ 1ml/ litre of water.			
Cl.							
Soybean/ Groundnut/	Land prepara			- Land preparation for sowing soybean/ groundnut may be started.			
Blackgram	and Seed col	lection		- Procure quality seed suitable to the site from reliable source.			
Diackgrain				- Apply 10–13 t/ha of FYM or compost by mixing thoroughly in the			
				soil 1 - 2 weeks before sowing.			
Seeds storage	Post-harvest			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying			
	Managemen	t		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.			
				Check for moisture content or weight of charcoal and dry if required.			
				- Avoid fungal growth and pest rodent in store.			
Horticulture Crops							
Name of the crop	Stage		Pest and disease	Agro-meteorological advisories			
Cucurbits	Flowering and fruiting to harvested			- Avoid fruits to touch soil. Proper staking may be done for better			
				growth.			
			Mite	- To prevent mite in the lower surface of leaves, use Neem oil @ 2-3			
				ml / litre of water.			
French Bean	Flowering to			- Weeding may be done.			
	fruiting			- Monitor for insect pest in the crop field.			
Colocasia/ alocasia	Planting			- Planting of colocasia/ alocasia may be done.			
Ginger & turmeric	Planting to vegetative			Spacings for planting of ginger (25cm plant to plant and 25-30cm row			
				to row) and turmeric (25cm plant to plant and 40-45cm row to row).			
				- Weeding may be done for the crops in vegetative stage.			
Animal Sciences							
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories			
Poultry (Chicken/	All	Ranikhet disease		Vaccinate birds against Ranikhet disease.			
Duck)	susceptible	Coccidiosis		Give 1g Amprolium powder in 1 litre of drinking water for 5-7 days.			
	age groups						
Pig	Above 3 Swine months of Coccid		Fever	- Vaccinate against swine fever after the age of 3 months.			
			ial infection	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.			
	age						
Cattle	Above 3	B.Q./ H.S./ F.M.D.		Vaccinate against B.Q./ H.S./ F.M.D.			
	months of	Deworming		Give Albendazole @30 ml per 100kg body weight.			
	age	Milk fever		Give mineral mixture@ 60g/day in divided dose to the pregnant ones.			
		Management		Napier/ Guinea grass may be planted as fodder crop.			
Sheep/Goat	All animals	Deworming		Give Albendazole @ 25ml/100kg body weight.			
	1 III dililidis	Management		- Fly repellent must be used. Disinfection of farm and primises are to be			
				carried out strictly. Due care need to be taken to prevent spread of			
				disease caused by flies/ mosquitoes/ ticks, etc.			
				disease caused by files/ filosquitoes/ ticks, etc.			



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"Gramin Krishi Mausam Seva"

Fishery						
Type of Farming	Stage	Field	Agro-metrological advisories			
Carp culture	Breeding	pond	■ Pond should be free from insects, predators, aquatic weeds etc.			
(Common carp &			■ Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-			
grass carp)			8ppm, carbon dioxide –nil.			
			■ Hormone like ovaprim, ovatide or Wova-FH may be injected @			
			0.5ml/kg fish for breeding in both the brooders of common carp and			
			grass carp.			
	Nurseries	Pond and fish	Water depth should be maintained at 1.0m. After liming nursery ponds			
			should be fertilized prior 15 days of spawn stocking. 8000-10,000			
			fingerlings can be stocked per ha. Sampling of fish for growth, diseases			
			(if any) should be done by regular netting.			
			Feeding should be done 2-3 splits a day @3-5% body weight/day.			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.						