

Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN 26th July, 2016

Chandel

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}\ to\ 25^{th}\ July,\ 2016)$

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 $^{\circ}$ C, range of minimum temperature observed was 21.2 to 23.0 $^{\circ}$ C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Chandel $(27^{th} \ to \ 31^{st} \ July, \ 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 31 $^{\circ}$ C & minimum temp. 22 - 23 $^{\circ}$ C. Relative humidity may reach upto 98 % (max RH) & 88 % (min RH). The average wind speed may be 2-4 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops	<u> </u>		
Main kharif rice	Transplanting to Establishment	Thrips & Leaf folder	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity	Tolder	 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			> Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops	·		-
* Drain-out excess water	*		
Turmeric/ Ginger	Vegetative to rhizome formation	Leaf spot disease Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/ lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/ lit of water at
			 15 days interval for 2-3 times. For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.







Cowpea Land Pr Sowing					 High density sowing at a spacing of 5 cm x 10 cm may also be done. However, the crop started bearing fruits, it can be sown as a staggering crop in the kitchen garden areas, when the field is properly managed with due care. The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima, Kashi Kanchan, RCCP-1(pole type) Seed rate is 12-15 gm/10m² 	
Cucurbits (Wate melon, pumpkin, gourd, etc.)	, bitter	Bearing	stage			➤ Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without disturbing the main trunk.
Animal Science Name of the animal	Growt	h stage	Disease/ in	festation		Agro-meteorological advisories
	ls to graze	e in fodder	fields now, as	s at the time	of sudden g	rowth in fodder after long submergence presence of cyanide has been found.
Poultry (Chicken/ Turkey/ Duck)	All age	groups	Care & man	agement	season > Use w > Keep	vater sanitizer in drinking water/potassium per magnate (few grains) the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
			Coccidiosis Deworming		associ	Amprolium @1.5g/ltr of drinking water for 5-7 days and electrolyte can be lated. Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with the dose.
Sheep/ Goat	Sheep/ Goat All age groups excepts the young ones Care & management De-worming		Care & man	agement	proble Give: Use q 21 da	the animals on the platform if possible to avoid <i>Pneumonia</i> due to moisture emmultivitamins @15ml orally. uality disinfectants for disinfecting the surrounding of the sheds. ys after shearing sheep, their bodies should be drenched with Butox @ 2ml/ter. Use medicated water for drenching.
			g S	> De-w mg/kg	orming of animals should be done using Abendazole/Levamisole @7.5 g b.wt. or Ivermectin @50mg/kg b. wt.	
Pig	All age except young	the	Mites infest Enteric dise Diarrhoea & Deworming	ation ase z Dysentry	> Treat > Provide > Spray > Use I > Prom	ral mixture be added in feed @ 10-20 g/adult animal. drinking water with potassium permanganate/ sanitizer. de ample ventilation in the shed/ dry bedding. Avoid dampness in sheds with Skin Heal Spray in sufficient quantity. ivocin @ 7.5 mg per kg b.wt. 3-5 days. ot treatment with Antibiotics Sulpha drugs. Piperazine liquid @ 10-15ml orally once only.
Cattle	All age excepts young o	the	B.Q./ H.S/F Endoparas: Care & man	MD ites	> If the Haem > De-w > If the supple > Food > Do no > After two h > Give	animals have not yet been vaccinated, give vaccine, now for Black Quarter, orrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc. orm orally once using Nilzan-F @ 90ml/ 300 kg body weight. animals do not have access to green fodders, vitamin E injection/ements should be given. supplements may be given @20-30 gm/animals. ot let animals graze in irrigated fodder fields/meadows. the birth of the self the new born must be fed with Colostrum within the first ours. Calmore Forte @ 100ml orally once daily. et from milk fever by giving daily a mixture of calcium and phosphorus @
Fishery:	-		1			
Type of Farming	Stage		Manageme	nt	Agro-met	rological advisories
Carp culture	Fish nu	rseries	Feed Fish	ater	> Agri- > Ponds > Encire > Fish f	depth should be maintain at 1.0-1.5m ime should be applied in ponds should be free from aquatic weed, predatory insects and fish. Cle the pond with net or bamboo mat as a preventive measure for flood. Geed should be provided @ 10-15 % body weight per day. It 5 million feeding fries are stocked per 1 ha for pre-nursing pond
	Grow o	out	Pond and w	ater	> Durat	cion is 25-45 days. r depth should be maintain at 1.5-2.0m
	ors out		Tong and water			ar liming should be done @ 30-35 kg/ha at 30 days interval



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			➤ 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			➤ 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		➤ About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN 26th July, 2016

Churachandpur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (22^{nd} to 25^{th} July, 2016)

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 $^{\circ}$ C, range of minimum temperature observed was 21.2 to 23.0 $^{\circ}$ C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Churachandpur $(27^{th}\ to\ 31^{st}\ July,\ 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 31 - 32 $^{\circ}$ C & minimum temp. 21 - 22 $^{\circ}$ C. Relative humidity may reach upto 99 % (max RH) & 76 % (min RH). The average wind speed may be 2-4 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Main kharif rice	Transplanting to Establishment	Thrips & Leaf folder	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity		 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			➤ Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water	•		
Turmeric/ Ginger	Vegetative to rhizome formation	Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times. For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		- Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.







ICAR						
		Land Pr Sowing	reparation/		>	crop in the kitchen garden areas, when the field is properly managed with due care.
						Kashi Kanchan, RCCP-1(pole type)
Cucurbits (Water melon, pumpkin gourd, etc.)		Bearing	stage			Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without disturbing the main trunk.
Animal Science	_		T			
Name of the animal	Growt		Disease/ inf			Agro-meteorological advisories
						owth in fodder after long submergence presence of cyanide has been found.
Poultry (Chicken/	All age	groups	Care & man	agement	season	
Turkey/ Duck)			2		Keep t	ater sanitizer in drinking water/potassium per magnate (few grains) the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
			Coccidiosis		associa	
CI C	A 11		Deworming		half th	
Sheep/ Goat	excepts		Care & man	agement	proble	
	young	ones				nultivitamins @15ml orally. ality disinfectants for disinfecting the surrounding of the sheds.
					➤ 21 day	s after shearing sheep, their bodies should be drenched with Butox @ 2ml/er. Use medicated water for drenching.
		De-worming	,	> De-wo	rming of animals should be done using Abendazole/Levamisole @7.5 b.wt. or Ivermectin @50mg/kg b. wt.	
Pig	All age groups		Care and ma	nagement	> Minera	l mixture be added in feed @10-20 g/adult animal.
	except					rinking water with potassium permanganate/ sanitizer.
	young	ones	Mites infesta	ation		e ample ventilation in the shed/ dry bedding. Avoid dampness in sheds with Skin Heal Spray in sufficient quantity.
			Enteric disea			vocin @ 7.5 mg per kg b.wt. 3-5 days.
			Diarrhoea &			t treatment with Antibiotics Sulpha drugs.
			Deworming			iperazine liquid @ 10-15ml orally once only.
Cattle	All age	groups the	B.Q./ H.S/F	MD		nimals have not yet been vaccinated, give vaccine, now for Black Quarter, rrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc.
	young	ones	Endoparasi			rm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
			Care & man	agement	supple	nimals do not have access to green fodders, vitamin E injection/ments should be given.
						upplements may be given @20-30 gm/animals. let animals graze in irrigated fodder fields/meadows.
						ne birth of the self the new born must be fed with Colostrum within the first
					two ho	urs.
						almore Forte @100ml orally once daily.
			Milk Fever		Protect 70-100	from milk fever by giving daily a mixture of calcium and phosphorus @ ml.
Fishery:						
Type of Farming	Stage		Managemen	nt	Agro-metr	ological advisories
Carp culture	Fish nu	rseries	Pond and wa	ater		depth should be maintain at 1.0-1.5m
						me should be applied in ponds
						should be free from aquatic weed, predatory insects and fish. e the pond with net or bamboo mat as a preventive measure for flood.
			Feed			ed should be provided @ 10-15 % body weight per day.
			Fish		Ahout	
			Fish			5 million feeding fries are stocked per 1 ha for pre-nursing pond
	Grow o	out	Fish Pond and wa	ater	Durati	



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			➤ 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			➤ 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		➤ About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN 26th July, 2016

Imphal East

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}$ to 25^{th} July, 2016) The sky remained mainly cloudy to overcast and rainfall of 50.8 mm was

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 °C, range of minimum temperature observed was 21.2 to 23.0 °C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Imphal East $(27^{th}\ to\ 31^{st}\ July,\ 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 321 $^{\rm o}$ C & minimum temp. 22 - 23 $^{\rm o}$ C. Relative humidity may reach upto 99 % (max RH) & 71 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be Southerly to South-Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops	,	ı	
Main kharif rice	Transplanting to Establishment		 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood.
		Thrips & Leaf folder	> Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity		 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			> Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water			
Turmeric/ Ginger	Vegetative to rhizome formation	Leaf spot disease Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/lit of water at 15 days interval for 2-3 times.
			 For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.







ICAR				T	
~					- High density sowing at a spacing of 5 cm x 10 cm may also be done.
Cowpea Land Pro Sowing		reparation/		 However, the crop started bearing fruits, it can be sown as a staggering crop in the kitchen garden areas, when the field is properly managed with due care. The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima Kashi Kanchan, RCCP-1(pole type) 	
					Seed rate is 12-15 gm/10m ²
Cucurbits (Water melon, pumpking gourd, etc.) Animal Science	ı, bitter	Bearing	g stage		Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without disturbing the main trunk.
Name of the animal	Growth	stage	Disease/ in	festation	Agro-meteorological advisories
	als to graze	in fodde	r fields now, as	at the time	ne of sudden growth in fodder after long submergence presence of cyanide has been found.
Poultry (Chicken/ Turkey/ Duck)	All age		Care & man		 Do not give muddy water as there is chance of <i>colibacillosis</i> during the rainy season. Use water sanitizer in drinking water/potassium per magnate (few grains)
			Coccidiosis		 Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Use Amprolium @1.5g/ltr of drinking water for 5-7 days and electrolyte can be associated.
			Deworming		> Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose.
Sheep/ Goat	Sheep/ Goat All age groups excepts the young ones		Care & man	agement	 Keep the animals on the platform if possible to avoid <i>Pneumonia</i> due to moisture problem Give multivitamins @15ml orally. Use quality disinfectants for disinfecting the surrounding of the sheds. 21 days after shearing sheep, their bodies should be drenched with Butox @ 2ml/ lit water. Use medicated water for drenching.
		De-worming		De-worming of animals should be done using Abendazole/Levamisole @7.5 mg/kg b.wt. or Ivermectin @50mg/kg b. wt. **The water to deficiting the control of t	
Pig	All age groups except the young ones		Care and management		 Mineral mixture be added in feed @ 10-20 g/adult animal. Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds
			Mites infest Enteric dise	ase	 Spray with Skin Heal Spray in sufficient quantity. Use Livocin @ 7.5 mg per kg b.wt. 3-5 days. Prompt treatment with Antibiotics Sulpha drugs.
					 Frompt treatment with Antibiotics Surpha drugs. Give Piperazine liquid @ 10-15ml orally once only.
Cattle	All age excepts		B.Q./ H.S/F		 If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc.
	young o	ones	Endoparas Care & man		 De-worm orally once using Nilzan-F @ 90ml/ 300 kg body weight. If the animals do not have access to green fodders, vitamin E injection/
					 supplements should be given. Food supplements may be given @20-30 gm/animals. Do not let animals graze in irrigated fodder fields/meadows.
					 After the birth of the self the new born must be fed with Colostrum within the first two hours. Give Calmore Forte @100ml orally once daily.
			Milk Fever		 Protect from milk fever by giving daily a mixture of calcium and phosphorus @ 70-100ml.
Fishery:					
Type of Farming	Stage		Manageme	nt	Agro-metrological advisories
Carp culture	Fish nu	rseries	Pond and w	ater	 Water depth should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flood.
			Feed Fish		 Fish feed should be provided @ 10-15 % body weight per day. About 5 million feeding fries are stocked per 1 ha for pre-nursing pond
	Grow or	ut	Pond and w	ater	 Duration is 25-45 days. Water depth should be maintain at 1.5-2.0m
					Regular liming should be done @ 30-35 kg/ha at 30 days interval



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	> Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			➤ 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			> 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		➤ About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 26th July, 2016

Imphal West

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}$ to 25^{th} July, 2016) The sky remained mainly cloudy to overcast and rainfall of 50.8 mm was

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 °C, range of minimum temperature observed was 21.2 to 23.0 °C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Imphal West $(27^{th}\ to\ 31^{st}\ July,\ 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 31 $^{\rm o}$ C & minimum temp. 23 $^{\rm o}$ C. Relative humidity may reach upto 99 % (max RH) & 74 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Main kharif rice	Transplanting to Establishment	Thrips & Leaf folder	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity		 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			➤ Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water	*		
Turmeric/ Ginger	Vegetative to rhizome formation	Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times. For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.



Manipur Centre, Lamphelpat, Imphal - 795 004





					-	High density sowing at a spacing of 5 cm x 10 cm may also be done.	
			Land Preparation/ Sowing		>	However, the crop started bearing fruits, it can be sown as a staggering crop in the kitchen garden areas, when the field is properly managed with due care. The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima, Kashi Kanchan, RCCP-1(pole type) Seed rate is 12-15 gm/10m ²	
Cucurbits (Water melon, pumpkin gourd, etc.)		Bearing	g stage		•	Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without disturbing the main trunk.	
Animal Science	1						
Name of the animal		h stage	Disease/ in			Agro-meteorological advisories	
Do not let anima	ls to graze	e in fodde				bwth in fodder after long submergence presence of cyanide has been found.	
Poultry (Chicken/ Turkey/ Duck)	All age	groups	Care & man		season. > Use wa > Keep th > Use Ar associa	ter sanitizer in drinking water/potassium per magnate (few grains) ne litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. In mprolium @1.5g/ltr of drinking water for 5-7 days and electrolyte can be ted. bendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with	
Sheep/ Goat	All age groups excepts the young ones		e				
Pig All age groups except the young ones		Care and management		MineraTreat d	l mixture be added in feed @10-20 g/adult animal. rinking water with potassium permanganate/ sanitizer. e ample ventilation in the shed/ dry bedding. Avoid dampness in sheds		
		Mites infestation Enteric disease Diarrhoea & Dysentry Deworming		Spray vUse LivPrompt	with Skin Heal Spray in sufficient quantity. vocin @ 7.5 mg per kg b.wt. 3-5 days. treatment with Antibiotics Sulpha drugs. perazine liquid @ 10-15ml orally once only.		
Cattle	excepts		B.Q./ H.S/F Endoparas		Haemo	nimals have not yet been vaccinated, give vaccine, now for Black Quarter, rrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc. rm orally once using Nilzan-F @ 90ml/300 kg body weight.	
young ones		Care & man		 If the a suppler Food so Do not After the two hot Give C 	nimals do not have access to green fodders, vitamin E injection/ ments should be given. applements may be given @20-30 gm/animals. let animals graze in irrigated fodder fields/meadows. he birth of the self the new born must be fed with Colostrum within the first arrs. halmore Forte @100ml orally once daily.		
			Milk Fever		Protect 70-100	from milk fever by giving daily a mixture of calcium and phosphorus @	
Fishery:					70-100		
Type of	Stage		Manageme	nt	Agro-metro	ological advisories	
Carp culture	Fish nu	rseries	Pond and w	ater	Agri-linPonds sEncircl	depth should be maintain at 1.0-1.5m ne should be applied in ponds should be free from aquatic weed, predatory insects and fish. e the pond with net or bamboo mat as a preventive measure for flood.	
			Feed		> Fish fe	ed should be provided @ 10-15 % body weight per day.	
			Fish			5 million feeding fries are stocked per 1 ha for pre-nursing pond on is 25-45 days.	
	Grow o	out	Pond and w	ater	> Water	depth should be maintain at 1.5-2.0m	

➤ Regular liming should be done @ 30-35 kg/ha at 30 days interval



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	> Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			➤ 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			> 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		➤ About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN 26th July, 2016

Senapati

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}$ to 25^{th} July, 2016) The sky remained mainly cloudy to overcast and rainfall of 50.8 mm was

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 °C, range of minimum temperature observed was 21.2 to 23.0 °C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Senapati $(27^{th} \text{ to } 31^{st} \text{ July, } 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 31 $^{\rm o}$ C & minimum temp. 23 $^{\rm o}$ C. Relative humidity may reach upto 98 % (max RH) & 72 % (min RH). The average wind speed may be 2 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Main kharif rice	Transplanting to Establishment	Thrips & Leaf folder	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity	Total	 Weeding may be done on sunny days to control weeds/insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			> Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water	-		
Turmeric/ Ginger	Vegetative to rhizome formation	Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/ lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times. For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		- Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.



Manipur Centre, Lamphelpat, Imphal - 795 004





					_	High density sowing at a spacing of 5 cm x 10 cm may also be done.	
		Land P Sowing	and Preparation/ owing		> >	However, the crop started bearing fruits, it can be sown as a staggering crop in the kitchen garden areas, when the field is properly managed with due care. The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima, Kashi Kanchan, RCCP-1(pole type) Seed rate is 12-15 gm/10m ²	
Cucurbits (Water melon, pumpkin gourd, etc.)		Bearing	g stage		<i>></i>	Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without disturbing the main trunk.	
Animal Science	1						
Name of the animal		h stage	Disease/ in			Agro-meteorological advisories	
Do not let anima	ls to graze	e in fodde				wth in fodder after long submergence presence of cyanide has been found.	
Poultry (Chicken/ Turkey/ Duck)	All age	groups	Care & man		season. > Use wat > Keep th > Use Am associat > Use Alt	pendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with	
Sheep/ Goat	excepts	All age groups excepts the young ones Care & management De-worming			half the dose. Seement Keep the animals on the platform if possible to avoid <i>Pneumonia</i> due to n problem Give multivitamins @15ml orally. Use quality disinfectants for disinfecting the surrounding of the sheds. 21 days after shearing sheep, their bodies should be drenched with Butox lit water. Use medicated water for drenching. De-worming of animals should be done using Abendazole/Levamisole @'mg/kg b.wt. or Ivermectin @50mg/kg b. wt.		
Pig All age groups except the young ones		Care and management		MineralTreat dr	mixture be added in feed @10-20 g/adult animal. inking water with potassium permanganate/ sanitizer. ample ventilation in the shed/ dry bedding. Avoid dampness in sheds		
		Mites infestation Enteric disease Diarrhoea & Dysentry Deworming		 Spray with Skin Heal Spray in sufficient quantity. Use Livocin @ 7.5 mg per kg b.wt. 3-5 days. 	with Skin Heal Spray in sufficient quantity. ocin @ 7.5 mg per kg b.wt. 3-5 days. treatment with Antibiotics Sulpha drugs.		
Cattle	excepts	l age groups cepts the			Haemor	nimals have not yet been vaccinated, give vaccine, now for Black Quarter, rhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc. m orally once using Nilzan-F @ 90ml/ 300 kg body weight.	
young ones		Endoparas Care & man		 If the ar supplen Food su Do not After th two hou Give Ca 	nimals do not have access to green fodders, vitamin E injection/ nents should be given. pplements may be given @20-30 gm/animals. let animals graze in irrigated fodder fields/meadows. e birth of the self the new born must be fed with Colostrum within the first urs. almore Forte @100ml orally once daily.		
			Milk Fever		➤ Protect 70-100r	from milk fever by giving daily a mixture of calcium and phosphorus @	
Fishery:	1				/0-1001		
Type of	Stage		Manageme	nt	Agro-metro	ological advisories	
Carp culture	Fish nu	rseries	Pond and w	ater	Agri-linPonds sEncircle	epth should be maintain at 1.0-1.5m ne should be applied in ponds hould be free from aquatic weed, predatory insects and fish. the the pond with net or bamboo mat as a preventive measure for flood.	
			Feed		> Fish fee	ed should be provided @ 10-15 % body weight per day.	
			Fish			5 million feeding fries are stocked per 1 ha for pre-nursing pond on is 25-45 days.	
	Grow o	out	Pond and w	ater	> Water of	lepth should be maintain at 1.5-2.0m	

➤ Regular liming should be done @ 30-35 kg/ha at 30 days interval



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			➤ 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			➤ 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		➤ About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN 26th July, 2016

Tamenglong

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}$ to 25^{th} July, 2016) The sky remained mainly cloudy to overcast and rainfall of 50.8 mm was

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 °C, range of minimum temperature observed was 21.2 to 23.0 °C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Tamenglong $(27^{th}\ to\ 31^{st}\ July,\ 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 32 $^{\circ}$ C & minimum temp. 22 - 23 $^{\circ}$ C. Relative humidity may reach upto 99 % (max RH) & 77 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Main kharif rice	Transplanting to Establishment	Thrips & Leaf folder	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity	Total	 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			> Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water	•		
Turmeric/ Ginger	Vegetative to rhizome formation	Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/ lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/ lit of water at 15 days interval for 2-3 times. For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		- Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.







						- High density sowing at a spacing of 5 cm x 10 cm may also be done.
Sowing					 However, the crop started bearing fruits, it can be sown as a staggering crop in the kitchen garden areas, when the field is properly managed with due care. The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima, Kashi Kanchan, RCCP-1(pole type) Seed rate is 12-15 gm/10m² 	
Cucurbits (Wate melon, pumpkin,		Bearing	stage			Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without
gourd, etc.)						disturbing the main trunk.
Animal Science Name of the animal	Growtl	n stage	Disease/ in	festation		Agro-meteorological advisories
	ls to graze	in fodder	fields now, as	at the time	of sudden	growth in fodder after long submergence presence of cyanide has been found.
Poultry (Chicken/ Turkey/ Duck)	All age	groups	Care & man	agement	sease	water sanitizer in drinking water/potassium per magnate (few grains)
			Coccidiosis		> Use asso	the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Amprolium @1.5g/ltr of drinking water for 5-7 days and electrolyte can be ciated. Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with
			Deworming	3		the dose.
Sheep/ Goat	All age groups excepts the young ones		Care & man	agement	prob Give Use 21 d	o the animals on the platform if possible to avoid <i>Pneumonia</i> due to moisture lem multivitamins @15ml orally. quality disinfectants for disinfecting the surrounding of the sheds. ays after shearing sheep, their bodies should be drenched with Butox @ 2ml/ ater. Use medicated water for drenching.
			De-worming	9	➤ De-v	vorming of animals should be done using Abendazole/Levamisole @7.5 g b.wt. or Ivermectin @50mg/kg b. wt.
Pig All age groups except the young ones		the	Care and ma	anagement	> Trea	eral mixture be added in feed @ 10-20 g/adult animal. t drinking water with potassium permanganate/ sanitizer. ide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds
			Mites infest Enteric dise Diarrhoea & Deworming	ase Dysentry	UsePron	y with Skin Heal Spray in sufficient quantity. Livocin @ 7.5 mg per kg b.wt. 3-5 days. ppt treatment with Antibiotics Sulpha drugs. Piperazine liquid @ 10-15ml orally once only.
Cattle	All age excepts young o	the	B.Q./ H.S/F Endoparas	MD	➤ If the Haei	e animals have not yet been vaccinated, give vaccine, now for Black Quarter, norrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc.
	young	nes	Care & man		> If the supproperty Food > Dor Party After two	e animals do not have access to green fodders, vitamin E injection/ lements should be given. I supplements may be given @20-30 gm/animals. ot let animals graze in irrigated fodder fields/meadows. In the birth of the self the new born must be fed with Colostrum within the first hours. Calmore Forte @100ml orally once daily.
			Milk Fever		> Prote	ect from milk fever by giving daily a mixture of calcium and phosphorus @ 00ml.
Fishery:						
Type of Farming	Stage		Manageme	nt	Agro-me	trological advisories
Carp culture	Fish nu	rseries	Pond and w	ater	AgriPonoEnci	er depth should be maintain at 1.0-1.5m -lime should be applied in ponds Is should be free from aquatic weed, predatory insects and fish. Is cle the pond with net or bamboo mat as a preventive measure for flood.
			Feed		4	feed should be provided @ 10-15 % body weight per day.
			Fish		> Dura	ut 5 million feeding fries are stocked per 1 ha for pre-nursing pondution is 25-45 days.
	Grow o	ut	Pond and w	ater		er depth should be maintain at 1.5-2.0m ılar liming should be done @ 30-35 kg/ha at 30 days interval



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	>	Sampling of fish for growth, disease (if any) should be done by regular
				netting.
			>	Partial harvesting of marketable size fishes are also recommended
		Fish	>	Feed should be provided @ 3-5 % body weight per day
			>	Feed can be fed at 2 times a day.
	Paddy cum fish	water	>	Water depth of the field can be increase by pumping or draining if water is
	culture			available to continue the culture.
			>	20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			>	1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			>	Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		>	About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming				pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
				folder is also provided. Grass with interlocked soil in the root system (sod) is
				provided once a week to avoid mineral deficiency.
	Duck		>	200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR BULLETIN 26th July, 2016

Thoubal

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}\ to\ 25^{th}\ July,\ 2016)$

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 $^{\circ}$ C, range of minimum temperature observed was 21.2 to 23.0 $^{\circ}$ C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Thoubal $(27^{th} \ to \ 31^{st} \ July, \ 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 32 $^{\circ}$ C & minimum temp. 22 - 23 $^{\circ}$ C. Relative humidity may reach upto 99 % (max RH) & 82 % (min RH). The average wind speed may be 2-4 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops		1	
Main kharif rice	Transplanting to Establishment	Thrips & Leaf folder	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity	10.001	 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			> Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water	-		
Turmeric/ Ginger	Vegetative to rhizome formation	Leaf spot disease Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/lit of water at 15 days interval for 2-3 times.
			 For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.







Land Preparation Sowing	ICAR						
Courbits (Water- melon, pumpkin, hitter gourd, etc.) Seed rate is 12-15 gm/10m²				-			crop in the kitchen garden areas, when the field is properly managed
Description Pound Pound						➤ The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima, Kashi Kanchan, RCCP-1(pole type)	
Name of the animals to graze in fodder fields now, as at the time of sudden growth in fodder after long submergence presence of cyanide has bee Poultry (Chicken)	melon, pumpkin		Bearing	stage			Earthing up of the soil around the plant(minimum of 2'away from the trunk) is required and proper drainage should be provided without
Do not let animals to graze in fodder fields now, as at the time of sudden growth in fodder after long submergence presence of cyanide has bee	Animal Science	S					
Poultry (Chickew) Cichickew Cichickew Cichickew	animal						
Season. Sue water sanitizer in drinking water/potassium per magnate (few grains) Sue water sanitizer in drinking water/potassium per magnate (few grains) Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 5.7 days and electrolyte of associated. Sue Amprolium @ 1.5g/thr of drinking water for 100 adult birds and repeat it next half the dose. Sue Amprolium @ 1.5g/thr of drinking water with potassitis for disinfecting the surrounding of the sheds. 21 days after shearing sheep, their bodies should be drenched with Butox lit water. Use medicated water for drenching. Deworming of animals should be done using Abendazole/Levamisole @ mg/kg b.wt. of vermectin @ 50m/kg b. wt. Mineral mixture be added in feed @ 10-20 g/adult animal. Treat drinking water with potassium permanganates sanitizer. Provide ample ventilation in the shed/dry bedding. Avoid dampness in shed water of vermectin @ 50m/kg b. wt. 3-5 days. Prompt treatment with Antibiotics Sulpha drugs. Deworming Give Piperazine liquid @ 10-15ml orally once only weight. Use Livocin @ 7.5 mg per kg b.wt. 3-5 days. Prompt treatment with Antibiotics Sulpha drugs. Properation liquid @ 10-15ml orally once only weight. Provided @ 10-15ml orally once daily. Properation liquid @ 10-15ml orally once daily. Properation liqui							
Sheep/ Goat	(Chicken/	All age	groups	Care & man	agement	seas	son.
Deworming Sheep/ Goat All age groups excepts the young ones Care & management Pige Care & management Pige All age groups except the young ones De-worming De-worming De-worming of animals should be done using Abendazole/Levamisole @ mg/kg b.wt. or Ivermectin @ 50mg/kg b.wt.	Turkey/ Duck)					➤ Kee	p the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
Sheep/Goat				Coccidiosis		asso	ociated.
excepts the young ones Pig						half	the dose.
Pig	Sheep/ Goat	excepts	the	Care & man	agement	prol	blem
Pig		young	ones				
De-worming De-worming of animals should be done using Abendazole/Levamisole of mg/kg b.wt. or Ivermectin @50mg/kg b.wt. or Ivermectin @60mg/kg b.wt. or Iverting with Similar in Iverting with Simi						➤ 21 c	lays after shearing sheep, their bodies should be drenched with Butox @ 2ml/
All age groups except the young ones Care and management > Mineral mixture be added in feed @10-20 g/adult animal. > Treat drinking water with potassium permanganate/ sanitizer. > Provide ample ventilation in the shed/dry bedding. Avoid dampness in shed with Skin Heal Spray in sufficient quantity. > Use Livocin @ 7.5 mg per kg b.wt. 3-5 days. > Prompt treatment with Antibiotics Sulpha drugs. > Prompt reatment with Antibiotics Su				De-worming	3	> De-	worming of animals should be done using Abendazole/Levamisole @7.5
Young ones			Care and ma	anagement			
Mites infestation Enteric disease Diarrhoea & Dysentry Deworming Deworming Deworming Deworming Deworming Deworming Sive Piperazine liquid @ 10-15ml orally once only. All age groups excepts the young ones Endoparasites Diarrhoea & Dysentry Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight. Fight animals do not have access to green fodders, vitamin E injection/ supplements should be given. Food supplements may be given @ 20-30 gm/animals. Do not let animals graze in irrigated fodder fields/meadows. After the birth of the self the new born must be fed with Colostrum within two hours. Fishery: Type of Farming Carp culture Fish nurseries Management Agro-metrological advisories Pond and water Agro-metrological advisories Fish pond and water Agro-metrological advisories Fish pond and water Agro-metrological provided @ 10-15 % body weight per day. Fish feed Fish feed Fish feed Fish feed should be provided @ 10-15 % body weight per day. Fish proving the first per supplied in ponds Fish pond or provided @ 10-15 % body weight per day. Fish pond to feed with fere animals gray and supplied in ponds Fish pond with net or bamboo mat as a preventive measure for flow Fish feed Fish feed Fish feed Should be provided @ 10-15 % body weight per day. Fish pond to feed in ponds Fish pond in ponds Fish feed Should be provided @ 10-15 % body weight per day. Fish pond in feeding fries are stocked per 1 ha for pre-nursing pond Feed Fish pond in feeding fries are stocked per 1 ha for pre-nursing pond		_					
Enteric disease Disarrhoea & Dysentry Deworming Disarrhoea & Dysentry Deworming Disarrhoea & Dysentry Deworming Deworming Deworming Deworming Deworming Deworming Disarrhoea & Dysentry Deworming Disarrhoea & Dysentry Deworming Disarrhoea & Dysentry Deworming Disarrhoea & Disarrhoea & Dysentry Deworming Disarrhoea & Disarrhoea		young	ones	Mites infest	ation		
Deworming Dewo							
All age groups excepts the young ones							, , ,
excepts the young ones Endoparasites De-worm orally once using Nilzan-F @ 90ml/ 300 kg body weight.		4.77					
Care & management Care & management	Cattle	excepts	the			Hae	emorrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc.
supplements should be given. Food supplements may be given @20-30 gm/animals. Do not let animals graze in irrigated fodder fields/meadows. After the birth of the self the new born must be fed with Colostrum within two hours. Give Calmore Forte @100ml orally once daily. Milk Fever Protect from milk fever by giving daily a mixture of calcium and phospho 70-100ml. Fishery: Type of Farming Carp culture Fish nurseries Pond and water Agro-metrological advisories Agri-lime should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Fish About 5 million feeding fries are stocked per 1 ha for pre-nursing pon		young	ones				
> Do not let animals graze in irrigated fodder fields/meadows. > After the birth of the self the new born must be fed with Colostrum within two hours. > Give Calmore Forte @100ml orally once daily. Milk Fever				Care & man	agement	sup	plements should be given.
After the birth of the self the new born must be fed with Colostrum within two hours. Give Calmore Forte @100ml orally once daily. Milk Fever Protect from milk fever by giving daily a mixture of calcium and phospho 70-100ml. Fishery: Type of Farming Carp culture Fish nurseries Pond and water Pond and water Water depth should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Fish feed should be provided @ 10-15 % body weight per day. Fish About 5 million feeding fries are stocked per 1 ha for pre-nursing pon							
Fishery:						> Afte	er the birth of the self the new born must be fed with Colostrum within the first
Milk Fever Protect from milk fever by giving daily a mixture of calcium and phospho 70-100ml. Fishery: Type of Farming Pond and water Pond and water Ponds should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Pish feed should be provided @ 10-15 % body weight per day. Fish About 5 million feeding fries are stocked per 1 ha for pre-nursing pon							
Type of Farming Carp culture Fish nurseries Pond and water Pond and water Pond should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Feed Fish ponds should be provided @ 10-15 % body weight per day. Fish About 5 million feeding fries are stocked per 1 ha for pre-nursing ponds				Mills Eaver			
Type of Farming Carp culture Fish nurseries Pond and water Pond and water Water depth should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Feed Fish feed should be provided @ 10-15 % body weight per day. About 5 million feeding fries are stocked per 1 ha for pre-nursing pon	Eigh own			WIIIK I EVEI			
Farming Carp culture Fish nurseries Fish nurseries Pond and water Agri-lime should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Fish feed should be provided @ 10-15 % body weight per day. About 5 million feeding fries are stocked per 1 ha for pre-nursing pon	-						
Fish nurseries Pond and water Water depth should be maintain at 1.0-1.5m Agri-lime should be applied in ponds Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Fish feed should be provided @ 10-15 % body weight per day. About 5 million feeding fries are stocked per 1 ha for pre-nursing pon		Stage		Manageme	nt	Agro-m	etrological advisories
Ponds should be free from aquatic weed, predatory insects and fish. Encircle the pond with net or bamboo mat as a preventive measure for flow Feed Fish feed should be provided @ 10-15 % body weight per day. About 5 million feeding fries are stocked per 1 ha for pre-nursing pon		Fish nu	irseries	Pond and w	ater		
Feed Fish feed should be provided @ 10-15 % body weight per day. Fish About 5 million feeding fries are stocked per 1 ha for pre-nursing pon						➤ Pon	ds should be free from aquatic weed, predatory insects and fish.
Fish > About 5 million feeding fries are stocked per 1 ha for pre-nursing pon				Feed			
Duration is 25-45 days.				Fish		> Abo	
Grow out Pond and water > Water depth should be maintain at 1.5-2.0m		Grow out		Pond and w	ater		-
> Regular liming should be done @ 30-35 kg/ha at 30 days interval							



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	> Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			> Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			> 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			> 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.



Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR BULLETIN 26th July, 2016

Ukhrul

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th to 31st July, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West $(22^{nd}\ to\ 25^{th}\ July,\ 2016)$

The sky remained mainly cloudy to overcast and rainfall of **50.8** mm was recorded during past four days. Maximum temperature range observed was 24.3 to 30.6 $^{\circ}$ C, range of minimum temperature observed was 21.2 to 23.0 $^{\circ}$ C, mean relative humidity observed in morning and afternoon were 92.5 % and 76.33 % respectively. The average wind speed range was 2.6 to 4.4 km/hr.

Weather forecast for next five days of Ukhrul $(27^{th} to 31^{st} July, 2016)$

Likely to have light rain upto Sunday. Sky will remain mainly cloudy to overcast, with maximum temp. 30 - 31 $^{\circ}$ C & minimum temp. 22 - 23 $^{\circ}$ C. Relative humidity may reach upto 98 % (max RH) & 78 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be South-Westerly to Westerly during the next five days.

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Main kharif rice	Transplanting to Establishment	Thrips & Leaf	 In replanting flooding fields, if available transplant using 25-35 days old RC- Maniphou 7 seedlings. Maintain a thin film of water upto 7 days after transplanting. Release excess water if accumulated due to rain. Thinning may be done in rice fields where plant population is high and replant in area where plants have died due to flood. Spray Lambdacyhothrin 5% EC @ 15 ml/ 15 lit of water.
Kharif maize	Cob formation to maturity	folder	 Weeding may be done on sunny days to control weeds/ insect-pest. Maintain proper drainage system to avoid water logging. Mature cobs may be harvested.
Soybean	Sowing to vegetative		 Maintain proper drainage system to avoid water logging If not sown early, sowing must be done during July. Keep the plot clean to avoid hairy caterpillars. Hand weeding should be done before 30-35 days after sowing. For control of red hairy caterpillars in crops at vegetative stage, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 7.6 EC 0.05% (0.6ml/ lit of water).
Storage (seed)			> Dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal. Check for moisture content or weight of seeds. After proper drying, store grains in well ventilated godowns. Spray Malathion 1% in godowns.
Horticulture Crops			
* Drain-out excess water			
Turmeric/ Ginger	Vegetative to rhizome formation	Leaf spot disease Rhizome rot	 Spray Redomil MZ-72 WP @ 2g/lit of water alternatively with Carbendazim @ 2g/ lit of water at 14 days interval. To prevent rhizome rot spray Redomil MZ 72 W.P. @ 2 g/ lit of water at
			 15 days interval for 2-3 times. For grown up plants spray Dithan M45 @ 2 to 2.5 ml/lit of water as prophylactic measures after the rain. Earthing up of soil at least twice in the growing period is recommended.
Bhindi	Land Preparation/ Sowing		 Bhindi can be sown as it is a crop of tropical and sub tropical climate requiring a long warm and humid growing season. Soil should be friable and proper drainage is strictly required. So this is one of the most favorable vegetables in the Kitchen garden For standing crop also it can withstand at least 10-15 days in submerged condition. For kitchen garden 8-10 gm/10m² is required for sowing Varieties: Arka Anamika, Prabhani Kranti, Pusa makhmali, Pusa sawani may be used.
Turmeric/ Coriander	Intercropping		Coriander variety Green Wonder or local one may be sown as intercrop plants in Turmeric field.







						- High density sowing at a spacing of 5 cm x 10 cm may also be done.		
Cowpea		Land P	reparation/			 However, the crop started bearing fruits, it can be sown as a staggering 		
Sowing		-			crop in the kitchen garden areas, when the field is properly managed			
		>			with due care.			
						> The varieties are Pusa Phalguni, Pusa Komal-(Bush type), Arka Garima		
						Kashi Kanchan, RCCP-1(pole type)		
						ightharpoonup Seed rate is 12-15 gm/10m ²		
Cucurbits (Wate		Bearing	g stage			Earthing up of the soil around the plant(minimum of 2'away from the		
melon, pumpkin	, bitter					trunk) is required and proper drainage should be provided without		
gourd, etc.)						disturbing the main trunk.		
Animal Science	?S							
Name of the animal	Growt	h stage	Disease/ in	festation		Agro-meteorological advisories		
	ls to graz	e in fodde	r fields now, as	s at the time	of sudden	growth in fodder after long submergence presence of cyanide has been found.		
Poultry		groups	Care & man			not give muddy water as there is chance of <i>colibacillosis</i> during the rainy		
(Chicken/	1 1.81	8F-			seas			
Turkey/ Duck)					➤ Use	water sanitizer in drinking water/potassium per magnate (few grains)		
						ep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.		
			Coccidiosis			Amprolium @1.5g/ltr of drinking water for 5-7 days and electrolyte can be		
						ociated.		
			Deworming	J.	➤ Use	Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with		
			Deworming	•	half	the dose.		
Sheep/ Goat		groups	Care & man	agement		ep the animals on the platform if possible to avoid <i>Pneumonia</i> due to moisture		
	excepts	the				blem		
	young	ones				e multivitamins @15ml orally.		
						quality disinfectants for disinfecting the surrounding of the sheds.		
					➤ 21 days after shearing sheep, their bodies should be drenched with Butox @ 2n			
						vater. Use medicated water for drenching.		
			De-worming	g	De-worming of animals should be done using Abendazole/Levamisole @7.5			
						/kg b.wt. or Ivermectin @50mg/kg b. wt.		
Pig	Pig All age groups		Care and ma	anagement		neral mixture be added in feed @10-20 g/adult animal.		
	except					at drinking water with potassium permanganate/ sanitizer.		
	young	ones	Mitas infastation			vide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds		
			Mites infestation Enteric disease Diarrhoea & Dysentry Deworming		> Spr	ay with Skin Heal Spray in sufficient quantity.		
						Livocin @ 7.5 mg per kg b.wt. 3-5 days.		
						mpt treatment with Antibiotics Sulpha drugs.		
Cattle	A 11 a a a	0401140	U			e Piperazine liquid @ 10-15ml orally once only.		
Cattle	_	groups	B.Q./ H.S/F	MD		ne animals have not yet been vaccinated, give vaccine, now for Black Quarter, emorrhagic septicaemia, Foot & Mouth Disease, Enterotoxaemia etc.		
	young		Endonoma	itaa		worm orally once using Nilzan-F @ 90ml/ 300 kg body weight.		
	young	JIICS	Endoparasites Care & management			ne animals do not have access to green fodders, vitamin E injection/		
			Care & man	iagement		plements should be given.		
						od supplements may be given @20-30 gm/animals.		
						not let animals graze in irrigated fodder fields/meadows.		
						er the birth of the self the new born must be fed with Colostrum within the first		
						hours.		
						e Calmore Forte @100ml orally once daily.		
			Milk Fever			tect from milk fever by giving daily a mixture of calcium and phosphorus @		
Fishery:						100ml.		
-	T		T = -					
Type of Farming	Stage		Manageme	nt	Agro-m	netrological advisories		
Carp culture	Fish nu	rseries	Pond and w	ater	> Wa	ter depth should be maintain at 1.0-1.5m		
						ri-lime should be applied in ponds		
						ds should be free from aquatic weed, predatory insects and fish.		
						circle the pond with net or bamboo mat as a preventive measure for flood.		
			Feed		> Fish	n feed should be provided @ 10-15 % body weight per day.		
			Fish		> Abo	out 5 million feeding fries are stocked per 1 ha for pre-nursing pond		
						ration is 25-45 days.		
	Grow out		Pond and w	ater		ter depth should be maintain at 1.5-2.0m		
	0.011		2 ond und W			gular liming should be done @ 30-35 kg/ha at 30 days interval		
					- reg	guiar mining should be dolle to 50-55 kg/ lid at 50 days litter val		



Manipur Centre, Lamphelpat, Imphal - 795 004





		Feed	> Sampling of fish for growth, disease (if any) should be done by regular
			netting.
			 Partial harvesting of marketable size fishes are also recommended
		Fish	Feed should be provided @ 3-5 % body weight per day
			> Feed can be fed at 2 times a day.
	Paddy cum fish	water	Water depth of the field can be increase by pumping or draining if water is
	culture		available to continue the culture.
			> 20-40% of the paddy plot can be made as 1.0-1.5m depth trenches.
			> 1000-3000 fish fingerlings can be stocked in 1 hectare rice field.
			Feeding should be done @ 2% body weigh5t per day.
Integrated Fish	Pig		➤ About 30-40 two months old pigs may be kept for proper fertilization of the one ha
Farming			pond. Pigs are feed on mash at an average of 1kg/day. Green grasses or animal
			folder is also provided. Grass with interlocked soil in the root system (sod) is
			provided once a week to avoid mineral deficiency.
	Duck		➤ 200-400 ducks of 2-3 months old are sufficient to adequately fertilize a 1 ha pond.