Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

Date of issue: 18th October, 2019

Past weather for the of Imphal West (15th to 17th October, 2019): 6.6 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy but on 17 th morning hours were foggy and afternoon was clear. Maximum temperature ranged from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative humidity of 95.3 % max & 72.3 % min was recorded in the past three	Weather forecast for Thoubal (19 th to 23 rd October, 2019): Likely to have no rains upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 29-30 °C & mini. temp. 17-18 °C. Relative humidity may reach upto 97 % (max) & 67 % (min). The average wind speed may be 3-6 km/hr.

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- 3. For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops				
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories	
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.	
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.	
			- Stacking of the harvested panicles for 5-7 days by turning the heap of	
			panicles can help in better threshing.	
			- Harvested crop must be well threshed. Clean and sundry seeds properly	
			before storage.	
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain	
~ .	harvesting		required moisture content before storage for seed in Seed Bin.	
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint	
	harvesting		inside the shell appears.	
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it	
			for 4-5 days before storage. Select good quality pods for seeds.	
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and	
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and	
			upland area zero tillage rape seed may be sown just after harvesting rice	
			to make full utilization of the residual moisture.	
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and	
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.	
D	X 1		- Prepare land for sowing field pea.	
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum	
	planting		soil moisture for land preparation is attained. Ploughing and planking	
			may be done to attain well pulverized and leveled seed bed. Apply 20-	
			30tons of well decomposed FYM at least two weeks before planting. - Select healthy and pure seeds of high yielding variety, free from insect	
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to	
			50g tuber seeds may be planted at row to row spacing of 55-60cm and	
			plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.	
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.	
Willet Diackgrain	vegetative	Than y Caterphians	- Weeding may be done at 30 days after sowing for proper utilization of	
			nutrients and moisture by the crop and avoid insect pest.	
Seed storage	Post-harvest		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying	
Seeu storage	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.	
	Wanagement		Check for moisture content or weight of charcoal and dry if required.	
Horticulture Crops			check for monstare content of weight of charcoar and dry if required.	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories	
Tree bean	Trees above 7yrs		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.	
	age/ Bearing plants			
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing	
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before	
	5			



"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land prepara	ation &	- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ¹ / ₂ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disease/ Managemen	nt Agro-meteorological advisories
	_		
Poultry (Chicken/ Duck)	All	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Duck)	susceptible	Demonstra	glucose.
Dia	age groups	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Ecto-parasite	Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
	age		
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	Above 3 months of		ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by
Cattle	Above 3 months of	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Cattle	Above 3 months of	Vaccination Tick Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
	Above 3 months of age	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.
	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	Above 3 months of age All age groups except three	Vaccination Tick Deworming Deworming	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m. Feeds should be provided 1-2 times a day @ 3 % body weight per day.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District:	Ukhrul
-----------	--------

Date of issue: 18th October, 2019

from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative humidity of 95.3 % max & 72.3 % min was recorded in the past three	days & average wind speed was 1.0–2.2 km/ hr.		were foggy and afternoon was clear. Maximum temperature ranged from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative humidity of 95.3 % max & 72.3 % min was recorded in the past three	temp. 15-16 °C. Relative humidity may reach upto 95 % (max) &
---------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of 3. Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
			upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
			- Prepare land for sowing field pea.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
			- Weeding may be done at 30 days after sowing for proper utilization of
			nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Management		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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean	Trees above 7yrs		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
	age/ Bearing plants		
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before
			sowing to protect seeds from ant and other insects.
			- Apply 200-250 kg of FYM (@ 1/2 cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land preparation &		- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
			Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose

Phone: 2414654, 2414260, 2414749 ; Fax : (0385) 2414654, 2414749

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

"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

				is required.
Onion	Nursery raisi	ng		- Prepare raised nursery beds, after sowing it must be covered with paddy straw or gunny bags. These must again be removed after 5-7 days as soon as the seeds germinate.
Broad bean/ Pea/ French bean	Land prepara seed collections sowing			Prepare land for sowing after rains. Procure healthy disease free seeds for sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
Mango	Appearance flush in bear trees			At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk or plant growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation three times a day. Use it for 1 acre with irrigation water.
Animal Sciences				
Name of bird/ animal	Stage	Disease/ Mana	agement	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Coccidiosis		Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
	age groups	Deworming		Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming Ecto-parasite Management		 Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3 months of age	Vaccination Tick Deworming		Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	All age groups except three months or below	Deworming Fascioliosis		- Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Fishery:				
	ow-out	Fish	- Po - Fe - W - M	sh harvesting can be started. onds water depth should be maintained at 1.0-1.5m. eeds should be provided 1-2 times a day @ 3 % body weight per day. fell balanced feed fortified with vitamins and minerals should be provided. aintain good quality of pond water. o stock fish for next year above practices may be done in small scale.

E-mail: agromet_mnp@yahoo.co.uk

Date of issue: 18th October, 2019

MANIPUR AGROMET ADVISORY BULLETIN

District:	Bishnupur
-----------	-----------

Past weather for the of Imphal West (15 th to 17 th October, 2019):	Weather forecast for Bishnupur (19 th to 23 rd October, 2019):
6.6 mm rainfall was observed during the past three days. The skies	Likely to have no rains upto Wednesday. The sky will remain
remained partly cloudy to mainly cloudy but on 17th morning hours	mainly clear to partly cloudy with max. temp. 29-30 °C & mini.
were foggy and afternoon was clear. Maximum temperature ranged	temp. 17-18 °C. Relative humidity may reach upto 98 % (max) &
from 28.3-29.6 °C and minimum of 19.4-19.7 °C. Mean relative	58 % (min). The average wind speed may be 2-4 km/hr.
humidity of 95.3 % max & 72.3 % min was recorded in the past three	
days & average wind speed was 1.0-2.2 km/ hr.	

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of 3. Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
			upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
			- Prepare land for sowing field pea.
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum
	planting		soil moisture for land preparation is attained. Ploughing and planking
			may be done to attain well pulverized and leveled seed bed. Apply 20-
			30tons of well decomposed FYM at least two weeks before planting.
			- Select healthy and pure seeds of high yielding variety, free from insect
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to
			50g tuber seeds may be planted at row to row spacing of 55-60cm and
			plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
			- Weeding may be done at 30 days after sowing for proper utilization of
			nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Management		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.
Horticulture Crops	Ct.	Desta a kall	
Name of the crop Tree bean	Stage Trees above 7yrs	Pest and disease	Agro-meteorological advisories Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Tree beam			Apply ($\log \ln DAP + \log MOP + 20g$ Carboluran 5G) per plant.
Contondor	age/ Bearing plants		Salast area with height surphing righ in anothing strain for any former in
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before





"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land prepara	ation &	- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ¹ / ₂ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disease/ Managemen	nt Agro-meteorological advisories
	_		
Poultry (Chicken/ Duck)	All	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Duck)	susceptible	Demonstra	glucose.
Dia	age groups	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Ecto-parasite	Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
	age		
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	Above 3 months of		ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by
Cattle	Above 3 months of	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Cattle	Above 3 months of	Vaccination Tick Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
	Above 3 months of age	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected byFMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.
	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	Above 3 months of age All age groups except three	Vaccination Tick Deworming Deworming	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m. Feeds should be provided 1-2 times a day @ 3 % body weight per day.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

Date of issue: 18th October, 2019

	Past weather for the of Imphal West (15 th to 17 th October, 2019): 6.6 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy but on 17 th morning hours were foggy and afternoon was clear. Maximum temperature ranged from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative	Weather forecast for Chandel (19 th to 23 rd October, 2019): Likely to have no rains upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 29-30 °C & mini. temp. 17-18 °C. Relative humidity may reach upto 95 % (max) & 60 % (min). The average wind speed may be 3-5 km/hr.
		60 % (min). The average wind speed may be 3-5 km/hr.
	humidity of 95.3 % max & 72.3 % min was recorded in the past three days & average wind speed was 1.0–2.2 km/ hr.	
L	days & average wind speed was 1.0–2.2 km/ m.	

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- 3. For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
			upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
			- Prepare land for sowing field pea.
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum
	planting		soil moisture for land preparation is attained. Ploughing and planking
			may be done to attain well pulverized and leveled seed bed. Apply 20-
			30tons of well decomposed FYM at least two weeks before planting.
			- Select healthy and pure seeds of high yielding variety, free from insect
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to
			50g tuber seeds may be planted at row to row spacing of 55-60cm and
			plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
			- Weeding may be done at 30 days after sowing for proper utilization of
	D. 1		nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Management		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.
Horticulture Crops	<u>Quarte</u>	Deter Liber	
Name of the crop Tree bean	Stage Trees above 7yrs	Pest and disease	Agro-meteorological advisories Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
Tree Deall	•		Appry ($\log m DAP + \log m OP + 20g$ Carboluran 50) per plant.
Comiander	age/ Bearing plants		Salaat area with bright sunching righ in arganic menung for provide
Coriander	Land preparation & sowing		- Select area with bright sunshine rich in organic manure for preparing beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before
	sowing		beus. meat seeds using Dichlorovos @ mi/ ntre of water 2-3 days before



"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land preparation &		- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ¹ / ₂ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disease/ Managemen	nt Agro-meteorological advisories
	_		
Poultry (Chicken/ Duck)	All susceptible	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Duck)		Demonstra	glucose.
Dia	age groups	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Ecto-parasite	Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
	age		
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	Above 3 months of		ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by
Cattle	Above 3 months of	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Cattle	Above 3 months of	Vaccination Tick Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
	Above 3 months of age	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.
	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	Above 3 months of age All age groups except three	Vaccination Tick Deworming Deworming	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m. Feeds should be provided 1-2 times a day @ 3 % body weight per day.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.

MANIPUR AGROMET ADVISORY BULLETIN

Past weather for the of Imphal West (15th to 17th October, 2019):

District: Churachandpur

Past weather for the of Imphal West (15 th to 17 th October, 2019):	Weather forecast for Churachandpur (19 th to 23 rd October, 2019):
6.6 mm rainfall was observed during the past three days. The skies	Likely to have no rains upto Wednesday. The sky will remain
remained partly cloudy to mainly cloudy but on 17 th morning hours	mainly clear to partly cloudy with max. temp. 29-30 °C & mini.
were foggy and afternoon was clear. Maximum temperature ranged	temp. 17-18 °C. Relative humidity may reach upto 98 % (max) &
from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative	57 % (min). The average wind speed may be 3-4 km/hr.
humidity of 95.3 % max & 72.3 % min was recorded in the past three	

General Advisory:

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin. 2.
- For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of 3. Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
			upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
D	T 1		- Prepare land for sowing field pea.
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum
	planting		soil moisture for land preparation is attained. Ploughing and planking
			may be done to attain well pulverized and leveled seed bed. Apply 20- 30tons of well decomposed FYM at least two weeks before planting.
			- Select healthy and pure seeds of high yielding variety, free from insect
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to
			50g tuber seeds may be planted at row to row spacing of 55-60cm and
			plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
Transvir Dravingram	v egetuti ve	riany caterphians	- Weeding may be done at 30 days after sowing for proper utilization of
			nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
	Management		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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean	Trees above 7yrs		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
	age/ Bearing plants		
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before



days & average wind speed was 1.0-2.2 km/ hr.



Date of issue: 18th October, 2019



"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land preparation &		- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ¹ / ₂ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disease/ Managemen	nt Agro-meteorological advisories
	_		
Poultry (Chicken/ Duck)	All susceptible	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Duck)		Demonstra	glucose.
Dia	age groups	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Ecto-parasite	Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
	age		
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	Above 3 months of		ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by
Cattle	Above 3 months of	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Cattle	Above 3 months of	Vaccination Tick Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
	Above 3 months of age	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.
	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	Above 3 months of age All age groups except three	Vaccination Tick Deworming Deworming	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m. Feeds should be provided 1-2 times a day @ 3 % body weight per day.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.

pat, Imphai - 795 004 Iausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

days & average wind speed was 1.0-2.2 km/ hr.

Past weather for the of Imphal West (15th to 17th October, 2019):

6.6 mm rainfall was observed during the past three days. The skies

remained partly cloudy to mainly cloudy but on 17th morning hours

were foggy and afternoon was clear. Maximum temperature ranged

from 28.3-29.6 °C and minimum of 19.4-19.7 °C. Mean relative

humidity of 95.3 % max & 72.3 % min was recorded in the past three

District: I	nphal East
-------------	------------

Weather forecast for Imphal East (19th to 23rd October, 2019): Likely to have no rains upto Wednesday. The sky will remain mainly clear to partly cloudy with max. temp. 29-30 °C & mini. temp. 17-18 °C. Relative humidity may reach upto 95 % (max) & 54 % (min). The average wind speed may be 5 km/hr.

General Advisory:

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- 3. For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
	Ū		- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
-	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
	C C		upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
-	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
	1 1		- Prepare land for sowing field pea.
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum
	planting		soil moisture for land preparation is attained. Ploughing and planking
			may be done to attain well pulverized and leveled seed bed. Apply 20-
			30tons of well decomposed FYM at least two weeks before planting.
			- Select healthy and pure seeds of high yielding variety, free from insect
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to
			50g tuber seeds may be planted at row to row spacing of 55-60cm and
			plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
			- Weeding may be done at 30 days after sowing for proper utilization of
			nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Management		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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean	Trees above 7yrs		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
	age/ Bearing plants		
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before





Date of issue: 18th October, 2019



"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land preparation &		- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ¹ / ₂ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disease/ Managemen	nt Agro-meteorological advisories
	_		
Poultry (Chicken/ Duck)	All susceptible	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Duck)		Demonstra	glucose.
Dia	age groups	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of	Deworming	Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
		Ecto-parasite	Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
	age		
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide
	age	Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle			ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Cattle	Above 3 months of		ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Cattle	Above 3	Vaccination	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by
Cattle	Above 3 months of	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Cattle	Above 3 months of	Vaccination Tick Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
	Above 3 months of age	Vaccination Tick	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.
	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	Above 3 months of age All age groups except three	Vaccination Tick Deworming Deworming	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or	Vaccination Tick Deworming Deworming	ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m. Feeds should be provided 1-2 times a day @ 3 % body weight per day.
Goat Fishery:	Above 3 months of age All age groups except three months or below	Vaccination Tick Deworming Deworming Fascioliosis	 ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fish harvesting can be started. Ponds water depth should be maintained at 1.0-1.5m.

MANIPUR AGROMET ADVISORY BULLETIN

days & average wind speed was 1.0-2.2 km/ hr.

Past weather for the of Imphal West (15th to 17th October, 2019): 6.6 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy but on 17th morning hours were foggy and afternoon was clear. Maximum temperature ranged from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative humidity of 95.3 % max & 72.3 % min was recorded in the past three

District:	Imphal	West
-----------	--------	------

Weather forecast for Imphal West (19 th to 23 rd October, 2019):
Likely to have no rains upto Wednesday. The sky will remain
mainly clear to partly cloudy with max. temp. 29-30 °C & mini.
temp. 17-18 °C. Relative humidity may reach upto 91 % (max) &
51 % (min). The average wind speed may be 4 km/hr.
51 % (mm). The average whild speed may be 4 km/m.

General Advisory:

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- 3. For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
			upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
			- Prepare land for sowing field pea.
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum
	planting		soil moisture for land preparation is attained. Ploughing and planking
			may be done to attain well pulverized and leveled seed bed. Apply 20-
			30tons of well decomposed FYM at least two weeks before planting.
			- Select healthy and pure seeds of high yielding variety, free from insect
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to
			50g tuber seeds may be planted at row to row spacing of 55-60cm and
			plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
			- Weeding may be done at 30 days after sowing for proper utilization of
			nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in RC-Seed Bin after proper drying
	Management		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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean	Trees above 7yrs		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
~	age/ Bearing plants		
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before

HIP-SHAR JCAR



Date of issue: 18th October, 2019



"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land prepara	ation &	- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + $100g$ DAP + $40g$ MOP in the soil 1 $\frac{1}{2}$ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine $+ 2 \text{ kg jiggery} + 2 \text{ kg of pulse grain flour} + 1 \text{ kg of live}$
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disaga/M	anagement Agro-meteorological advisories
Name of Difu/ ammai	Stage	Disease/ IVI	Anagement Agro-meteorological auvisories
	A 11	<u> </u>	
Poultry (Chicken/	All	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Poultry (Chicken/ Duck)	susceptible		glucose.
Duck)	susceptible age groups	Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
	susceptible age groups Above 3	Deworming Deworming	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
Duck)	susceptible age groups Above 3 months of	Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the
Duck)	susceptible age groups Above 3	Deworming Deworming Ecto-parasite	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Duck)	susceptible age groups Above 3 months of	Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide
Duck) Pig	susceptible age groups Above 3 months of age	Deworming Deworming Ecto-parasite Management	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Duck)	susceptible age groups Above 3 months of age Above 3	Deworming Deworming Ecto-parasite Management Vaccination	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Duck) Pig	susceptible age groups Above 3 months of age Above 3 months of	Deworming Deworming Ecto-parasite Management	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Duck) Pig	susceptible age groups Above 3 months of age Above 3	Deworming Deworming Ecto-parasite Management Vaccination	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by
Duck) Pig	susceptible age groups Above 3 months of age Above 3 months of	Deworming Deworming Ecto-parasite Management Vaccination Tick	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Duck) Pig	susceptible age groups Above 3 months of age Above 3 months of age All age groups	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. • Give Ranizole suspension @ 3ml/ 10 kg body weight.
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age All age groups	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. • Give Ranizole suspension @ 3ml/ 10 kg body weight.
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fish harvesting can be started.
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fish harvesting can be started. - Ponds water depth should be maintained at 1.0-1.5m.
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fish harvesting can be started. - Ponds water depth should be maintained at 1.0-1.5m. - Feeds should be provided 1-2 times a day @ 3 % body weight per day.

Manipur Centre, Lamphelpat, Imphal - 795 004

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District:	Senapati
-----------	----------

Date of issue: 18th October, 2019

Past weather for the of Imphal West (15 th to 17 th October, 2019):	Weather forecast for Senapati (19 th to 23 rd October, 2019):
6.6 mm rainfall was observed during the past three days. The skies	Likely to have no rains upto Wednesday. The sky will remain
remained partly cloudy to mainly cloudy but on 17 th morning hours	mainly clear to partly cloudy with max. temp. 26-27 °C & mini.
were foggy and afternoon was clear. Maximum temperature ranged	temp. 14-15 °C. Relative humidity may reach upto 98 % (max) &
from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative	58 % (min). The average wind speed may be 4 km/hr.
humidity of 95.3 % max & 72.3 % min was recorded in the past three	
days & average wind speed was 1.0-2.2 km/ hr.	

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- 3. For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to		- Drain it out completely 10 days before harvesting.
	harvesting		- Harvest rice if 80 % of the spikelet has turned yellow.
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
			before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
	Ū		- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
	C C		upland area zero tillage rape seed may be sown just after harvesting rice
			to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
-	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
	1 1		- Prepare land for sowing field pea.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
	C C	v 1	- Weeding may be done at 30 days after sowing for proper utilization of
			nutrients and moisture by the crop and avoid insect pest.
Seed storage	Post-harvest		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
_	Management		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.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean	Trees above 7yrs		Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
	age/ Bearing plants		
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before
			sowing to protect seeds from ant and other insects.
			- Apply 200-250 kg of FYM (@ 1/2 cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land preparation &		- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
			Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose

Phone: 2414654, 2414260, 2414749 ; Fax : (0385) 2414654, 2414749

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

"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

				is required.
Onion	Nursery raisi	ng		- Prepare raised nursery beds, after sowing it must be covered with paddy straw or gunny bags. These must again be removed after 5-7 days as soon as the seeds germinate.
Broad bean/ Pea/ French bean	Land prepara seed collections			Prepare land for sowing after rains. Procure healthy disease free seeds for sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
Mango	Appearance flush in bear trees			At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk or plant growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litres cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1kg of live forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation three times a day. Use it for 1 acre with irrigation water.
Animal Sciences				
Name of bird/ animal	Stage	Disease/ Manag	gement	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Coccidiosis		Give Coccimar @ 2g/litre of drinking water for 5-7 days along with glucose.
	age groups	Deworming		Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
Pig	Above 3 months of age	Deworming Ecto-parasite Management		 Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3 months of age	Vaccination Tick Deworming		Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Goat	All age groups except three months or below	Deworming Fascioliosis		- Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Fishery:				
	ow-out	Fish	- Po - Fe - W - M	sh harvesting can be started. onds water depth should be maintained at 1.0-1.5m. eeds should be provided 1-2 times a day @ 3 % body weight per day. Yell balanced feed fortified with vitamins and minerals should be provided. Yell balanced feed fortified with vitamins and minerals should be provided. Yell balanced feed fortified with vitamins and minerals should be provided. Yell balanced feed fortified with vitamins and minerals should be provided. Yell balanced feed for pond water.

MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (15 th to 17 th October, 2019):	Weather forecast for Tamenglong (19 th to 23 rd October, 2019):
6.6 mm rainfall was observed during the past three days. The skies	Likely to have no rains upto Wednesday. The sky will remain
remained partly cloudy to mainly cloudy but on 17 th morning hours	mainly clear to partly cloudy with max. temp. 27-28 °C & mini.
were foggy and afternoon was clear. Maximum temperature ranged	temp. 15-16 °C. Relative humidity may reach upto 96 % (max) &
from 28.3–29.6 °C and minimum of 19.4–19.7 °C. Mean relative	54 % (min). The average wind speed may be 3-4 km/hr.
humidity of 95.3 % max & 72.3 % min was recorded in the past three	
days & average wind speed was 1.0-2.2 km/ hr.	

General Advisory:

- 1. Monitor insect pest in the crop field regularly to reduce loss. Provisions may be taken up to conserve soil moisture. Use water economically to ensure its availability in coming months.
- 2. Harvest mature crops before rains. Clean and sundry seeds properly before storage. Store seeds in Seed Bin.
- For the fields where rice had failed due to uneven distribution of rainfall during the growing season, cultivation of 3. Blackgram (Urad dal)/ Lentil (Masoor dal)/ Green gram (Moong dal)/ Lathyrus (Kachari) may be done as contingency crop by the mid of November so as to reduce economic stress of farmers. Treat seeds with Carbendazim@ 2g/ kg seeds before sowing.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Grain maturity to harvesting		Drain it out completely 10 days before harvesting.Harvest rice if 80 % of the spikelet has turned yellow.
	narvesung		
			- Stacking of the harvested panicles for 5-7 days by turning the heap of
			panicles can help in better threshing.
			- Harvested crop must be well threshed. Clean and sundry seeds properly
Carlson / Diss Deer	De lasse site to		before storage.
Soybean/ Rice Bean	Pod maturity to		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain
Groundnut	harvesting		required moisture content before storage for seed in Seed Bin.
Groundnut	Maturity to		- Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint
	harvesting		inside the shell appears.
			- Make bundles and dry the crops in shade for 2-3 days for curing. Dry it
			for 4-5 days before storage. Select good quality pods for seeds.
Rapeseed	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	sowing		treat with Carbendazim @2g/ kg seeds before sowing. In foot-hills and
			upland area zero tillage rape seed may be sown just after harvesting rice
	~		to make full utilization of the residual moisture.
Field pea	Seed collection and		- Procure disease free good variety of crop from a reliable source and
	land preparation		treat with Carbendazim @2g/ kg seeds before sowing.
			- Prepare land for sowing field pea.
Potato	Land preparation to		- Land preparation for planting potato may be done as soon as optimum
	planting		soil moisture for land preparation is attained. Ploughing and planking
			may be done to attain well pulverized and leveled seed bed. Apply 20-
			30tons of well decomposed FYM at least two weeks before planting.
			- Select healthy and pure seeds of high yielding variety, free from insect
			pest. Treat seeds with 5% Dithane M-45 to 10 min before planting. 30 to
			50g tuber seeds may be planted at row to row spacing of 55-60cm and
Millet/ Discharger	X7	TT.: '	plant to plant spacing of 20-25 cm. Seed rate is 20-25 quintals/ hectare.
Millet/ Blackgram	Vegetative	Hairy caterpillars	- Dichlorovos 76 EC 0.05% (0.6ml/ lit of water) on dry days.
			- Weeding may be done at 30 days after sowing for proper utilization of
Sood stores	Post-harvest		nutrients and moisture by the crop and avoid insect pest.
Seed storage			- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
Horticulture Crops			Check for moisture content or weight of charcoal and dry if required.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Tree bean	Trees above 7yrs	i est anu uiscase	Apply (60gm DAP + 10g MOP + 20g Carbofuran 3G) per plant.
I ce bean	age/ Bearing plants		repris (005m 12/m + 105 mor + 205 Carboratan 50) per plant.
Coriander	Land preparation &		- Select area with bright sunshine rich in organic manure for preparing
Cortanuci	sowing		beds. Treat seeds using Dichlorovos @ 1ml/ litre of water 2-3 days before
	sowing		beas. Theat seeds dsing Diemotovos & Thin fute of water 2-5 days before



Date of issue: 18th October, 2019



"Gramin Krishi Mausam Seva"



E-mail: agromet_mnp@yahoo.co.uk

			sowing to protect seeds from ant and other insects. - Apply 200-250 kg of FYM (@ ¹ / ₂ cart load) in 100 sq. m and mix
			thoroughly to improve soil fertility.
			- Seed rate is 100g seeds for 100 sq. m.
Spinach beet	Land prepara	ation &	- Well drained soil is best for growing spinach beet.
(Palak)	sowing		- Avoid damping off by adding Captan 50WP in the soil of bed.
	U		Spacing may be maintained at 10cm x 20-25cm apart.
			- Seed rate is 100-120g/ 100 sq m. If broadcasting is done, double the dose
			is required.
Onion	Nursery raisi	ng	- Prepare raised nursery beds, after sowing it must be covered with paddy
			straw or gunny bags. These must again be removed after 5-7 days as soon
			as the seeds germinate.
Broad bean/ Pea/	Land prepara	ation/	Prepare land for sowing after rains. Procure healthy disease free seeds for
French bean	seed collection	on to	sowing. Treat seeds with Carbendazim @ 2g/ kg seeds before sowing.
	sowing		
Mango	Appearance		At this stage, apply 50g Urea + $100g$ DAP + $40g$ MOP in the soil 1 $\frac{1}{2}$ feet
	flush in bear	ing	away from the trunk or plant growth promoting rhizobium bacteria
	trees		(PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10
			litres cow urine $+ 2 \text{ kg jiggery} + 2 \text{ kg of pulse grain flour} + 1 \text{ kg of live}$
			forest soil in 200 litres of water. Ferment for 5-7 days. Stir the formulation
			three times a day. Use it for 1 acre with irrigation water.
Animal Sciences Name of bird/ animal	Stage	Disaga/M	anagement Agro-meteorological advisories
Name of Difu/ ammai	Stage	Disease/ IVI	Anagement Agro-meteorological auvisories
	A 11	<u> </u>	
Poultry (Chicken/	All	Coccidiosis	Give Coccimar @ 2g/litre of drinking water for 5-7 days along with
Poultry (Chicken/ Duck)	susceptible		glucose.
Duck)	susceptible age groups	Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.
	susceptible age groups Above 3	Deworming Deworming	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.
Duck)	susceptible age groups Above 3 months of	Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the
Duck)	susceptible age groups Above 3	Deworming Deworming Ecto-parasite	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal.
Duck)	susceptible age groups Above 3 months of	Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. Treat drinking water with potassium permanganate/ sanitizer. Provide
Duck) Pig	susceptible age groups Above 3 months of age	Deworming Deworming Ecto-parasite Management	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Duck)	susceptible age groups Above 3 months of age Above 3	Deworming Deworming Ecto-parasite Management Vaccination	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.
Duck) Pig	susceptible age groups Above 3 months of age Above 3 months of	Deworming Deworming Ecto-parasite Management	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.
Duck) Pig	susceptible age groups Above 3 months of age Above 3	Deworming Deworming Ecto-parasite Management Vaccination	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by
Duck) Pig	susceptible age groups Above 3 months of age Above 3 months of	Deworming Deworming Ecto-parasite Management Vaccination Tick	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight.
Duck) Pig	susceptible age groups Above 3 months of age Above 3 months of age All age groups	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. • Give Ranizole suspension @ 3ml/ 10 kg body weight.
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age All age groups	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. • Give Ranizole suspension @ 3ml/ 10 kg body weight.
Duck) Pig Cattle	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose.Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.Give Morantel citrate tablet (Banminth) @15mg/ kg body weight.Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated.Use Butox liquid @ 2ml/ litre water twice a week while brushing animals.Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves.De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight Give Ranizole suspension @ 3ml/ 10 kg body weight.Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fish harvesting can be started.
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @ 15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. - Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fish harvesting can be started. - Ponds water depth should be maintained at 1.0-1.5m.
Duck) Pig Cattle Goat Fishery:	susceptible age groups Above 3 months of age Above 3 months of age All age groups except three months or below	Deworming Deworming Ecto-parasite Management Vaccination Tick Deworming Deworming Fascioliosis	glucose. Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days. Give Morantel citrate tablet (Banminth) @15mg/ kg body weight. Use Butox liquid @ 2 ml/ lit of water twice a week while brushing the animal. • Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. Use Butox liquid @ 2ml/ litre water twice a week while brushing animals. Calves should not be allowed to drink milk from mothers if affected by FMD, it affects heart and cause even death of the calves. De-worm with Nilzan/ Tolzan-F @20-30ml for 100 kg body weight. • Give Ranizole suspension @ 3ml/ 10 kg body weight. Give Tolzan-F @ 15ml orally/ kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. • Fish harvesting can be started. • Ponds water depth should be maintained at 1.0-1.5m. • Feeds should be provided 1-2 times a day @ 3 % body weight per day.