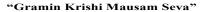




ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004





MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88 % max & 69 % min was recorded in the past three days & average wind speed was 2.6–3.4 km/ hr.

Weather forecast for Thoubal (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 $^{\rm o}$ C & mini. temp. 23-24 $^{\rm o}$ C. Relative humidity may reach upto 99% (max) & 77 % (min). The average wind speed may be 3 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle initiation		 - Maintain water level of 5-8 cm in the crop field. - Weeding may be done. Apply Urea @33kg/ha at PI stage after complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to	8	- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean		Rust in Soybean	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
			after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
		II.::11	as sticker at an interval of 15 days are effective in checking the disease. - For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
		Hairy caterpillars	control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
Williet	vegetative		infestation.
Blackgram	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
, and the second	vegetative		infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
Deed Storage	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
Rabi vegetables	Nursery		- Raising nurseries of rabi vegetables.
			- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east
			and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
Caumiowei	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	amplanting		as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea	1 1		done. Recommended varieties for French bean are – Pant Anupama,
			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.





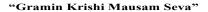
"Gramin Krishi Mausam Seva"

Onion	Land prepara	ition		- Land preparation for sowing of onion in the <i>hill areas</i> may be done
	for sowing			where the temperature have become lower.
Turmeric	Rhizome init	iation	Taphrine leaf blotch and othe leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
King Chilli	Flowering to fruiting			- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback diseas	
			Leaf curl diseas	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
	All susceptible	Dewor	ming	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
	age groups	Coccid	iosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
		Care &	management	Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age	Endo/ Ecto parasite or skin infection Management		in - Inject Neomac @ 1 ml/ 10 kg body weight.
				- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle Above 3		Fascioliasis		- De-worming with suitable Anthelmatics against Faciolasis.
	months of age	Dewori	ming	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		Manage		- Provide wholesome water.
Goat All age groups except three		Fasciol		- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below Ectopa			Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				•
	d production	Pond an	nd Water	1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed		Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish Sel		bonto





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88 % max & 69 % min was recorded in the past three days & average wind speed was 2.6–3.4 km/hr.

Weather forecast for Ukhrul (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 $^{\rm o}$ C & mini. temp. 22 $^{\rm o}$ C. Relative humidity may reach upto 99% (max) & 75 % (min). The average wind speed may be 2-3 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

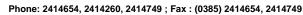
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle		- Maintain water level of 5-8 cm in the crop field.
	initiation		- Weeding may be done. Apply Urea @33kg/ha at PI stage after
			complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to	- U	- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean	8 1 88 8	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
			after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
		groundiat	as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
		Train'y caterpinars	control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
11111100	vegetative		infestation.
Blackgram	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
2-1111-1111	vegetative		infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
1 otato	Land preparation		of seed in foothills and upland area. Select the area with fertile and sandy
			loam soil rather than with stone and gravel.
Seed storage	Post-harvest		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying
been broruge	Management		and cleaning of seeds along with dry charcoal at 80:20 w/w ratios.
	Management		Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			check for moisture content of weight of charcoar and dry if required.
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Nursery	T est una aiseuse	- Raising nurseries of rabi vegetables.
24001 (0800000100			- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east
			and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight.
			- Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
Caumiowei	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	transplanting		as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea	Land proparation		done. Recommended varieties for French bean are – Pant Anupama,
Divau scan & i ca			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.





"Gramin Krishi Mausam Seva"

Turmeric Rhizome initiation Taphrine leaf blotch and other leaf spot - Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval. Flowering to fruiting - Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/litre of water. - After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.	Onion	Land prepara	ation		- Land preparation for sowing of onion in the <i>hill areas</i> may be done where the temperature have become lower.
Fruiting Dieback disease Dieback disease After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.			tiation	blotch and other	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
Care & management Coccidial infection Above 3 Management Above 3 Monagement Above 3 Above 3 Monagement Above 3 Above 3 Monagement Above 3 Above 3 Monagement Above 3 Monagement Above 3 Above 3 Monagement Above 3 Above 3 Monagement Above 3 Above 3	King Chilli				10g/ litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
Poultry (Chicken Duck)				Lear curi disea	T, T
Poultry (Chicken/Duck)	Animal Sciences				
Susceptible age groups	Name of bird/ animal	Stage	Disea	se/ Management	t Agro-meteorological advisories
Care & management Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig	Poultry (Chicken/ Duck)				
time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig Above 3		age groups	Coccidi	osis	of water.
Pig Above 3 months of age Endo/ Ecto parasite or skin infection Cattle Above 3 months of age Endo/ Ecto parasite or skin infection Above 3 Fascioliasis - De-worming with suitable Anthelmatics against Faciolasis. Deworming Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. Management - Provide wholesome water. Goat All age groups except three months or below Ectoparasite Endoparasite/ Ectoparasite Fishery: Carp culture Seed production Pond and Water I. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits			Care & management		time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and
months of age	Pig	Above 3	Coccidial infection		
Cattle Above 3 months of age Management All age groups except three months or below Fishery: Carp culture Management Above 3 Management Above 3 Management Fascioliasis Deworming Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. Provide wholesome water. Goat All age groups except three months or below Fishery: Carp culture Management Fascioliosis All age groups except three months or below Fishery: Carp culture Management - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. - De-worming with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	J	months of age			
Management Provide wholesome water.					ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Goat	Cattle	Above 3	Fascioliasis		- De-worming with suitable Anthelmatics against Faciolasis.
All age groups except three months or below Endoparasite/ Ectoparasite Pond and Water			Deworming		
except three months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits			Manage	ment	- Provide wholesome water.
Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Goat	except three	Fascioli	osis	
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		la al anno			
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Fishery:				
Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		ed production	Pond an	d Water	
*			Feed		Provide Nutritionally well balanced feed @ 3.5% body weight per day in two
			Fish		





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30^{th} then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88% max & 69% min was recorded in the past three days & average wind speed was 2.6–3.4 km/hr.

Weather forecast for Bishnupur (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 32-35 $^{\circ}\text{C}$ & mini. temp. 24-25 $^{\circ}\text{C}$. Relative humidity may reach upto 100% (max) & 61 % (min). The average wind speed may be 2-4 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle		- Maintain water level of 5-8 cm in the crop field.
	initiation		- Weeding may be done. Apply Urea @33kg/ha at PI stage after
			complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to		- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean		Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
			after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
			as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Blackgram	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
	1 1		of seed in foothills and upland area. Select the area with fertile and sandy
			loam soil rather than with stone and gravel.
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
Rabi vegetables	Nursery		- Raising nurseries of rabi vegetables.
			- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east
			and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight.
			- Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
			as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea			done. Recommended varieties for French bean are – Pant Anupama,
			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.
			rand as beautiful as the second as a secon





"Gramin Krishi Mausam Seva"

Properties	Onion	Land prepara	ation		- Land preparation for sowing of onion in the <i>hill areas</i> may be done where the temperature have become lower.
Poultry (Chicker/Duck) Disease/Management Dis			tiation	blotch and other	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
Control white fly which is vector for transmission of the disease.	King Chilli				10g/ litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
Poultry (Chicken Duck)				Leaf curl disea	r, r
Poultry (Chicken/Duck)	Animal Sciences				
Susceptible age groups	Name of bird/ animal	Stage	Disea	se/ Management	t Agro-meteorological advisories
Care & management Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig	Poultry (Chicken/ Duck)				
time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig Above 3		age groups	Coccidi	osis	of water.
Pig			Care & management		time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and
months of age	Pig	Above 3	Coccidial infection		
Cattle Above 3 months of age Management All age groups except three months or below Fishery: Carp culture Management Above 3 Months of age Above 3 Months of age All age groups except three months or below Fishery: Carp culture Management Above 3 Months of age Above 3 Months of age All age groups except three months or below Fishery: Carp culture Management All age groups except three months or below Fishery: Carp culture All age groups except three months or below Fishery: Carp culture Management - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. - De-worming with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: 1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	J	months of			
months of age Deworming			Manage	ment	
All age groups except three months or below Endoparasite Ectoparasite Ectoparasite Pond and Water Seed production Pond and Water Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Cattle	Above 3	Fascioliasis		- De-worming with suitable Anthelmatics against Faciolasis.
All age groups except three months or below Endoparasite/ Ectoparasite Pond and Water Seed production Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.			Deworming		
except three months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		Manag		ment	- Provide wholesome water.
Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Goat	except three	Fascioli	osis	
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		Lildope			
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Fishery:				
Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		ed production	Pond an	d Water	
			Feed		Provide Nutritionally well balanced feed @ 3.5% body weight per day in two
			Fish		









MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4-31.8 °C and minimum of 22.2-23.0 °C. Mean relative humidity of 88 % max & 69 % min was recorded in the past three days & average wind speed was 2.6-3.4 km/hr.

Weather forecast for Chandel (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 33-35 °C & mini. temp. 25-26 °C. Relative humidity may reach upto 99% (max) & 74 % (min). The average wind speed may be 2-3 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- Provide clean drinking water for birds and animals.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle initiation		 - Maintain water level of 5-8 cm in the crop field. - Weeding may be done. Apply Urea @33kg/ha at PI stage after complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to	See Hing Hiseet	- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean	6 1 66 6	Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
		•	after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
			as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
3.6.11	G .		control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
Blackgram	vegetative		infestation.
ыаскугаш	Sowing to vegetative		- Weeding may be done to keep the plot clean to avoid insect pest infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
1 otato	Land preparation		of seed in foothills and upland area. Select the area with fertile and sandy
			loam soil rather than with stone and gravel.
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
Rabi vegetables	Nursery		- Raising nurseries of rabi vegetables.
			- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight.
			- Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	1 0		as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea			done. Recommended varieties for French bean are – Pant Anupama,
			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.

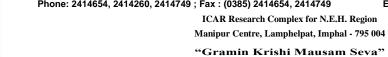




"Gramin Krishi Mausam Seva"

Poultry (Chicken Duck) Disease/ Management Disease/ Management Disease/ Management Disease D	Onion	Land prepara	ation		- Land preparation for sowing of onion in the <i>hill areas</i> may be done
Block and other leaf spot Flowering to fruiting Flowering to fruiting Dieback disease Dieback disease Dieback disease Dieback disease Dieback disease Dieback disease After removal of infested plants, Spray of Trichode 10g/ litre of water may be given for control of disease. After removal of infested plants, drench the soil with copper oxyc 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water may be given for control of disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of control white fly which is vector for transmission of the disease. After removal of infested plants, spray fighted infested plants, spray figh					where the temperature have become lower.
Fruiting Dieback disease Dieback disease After removal of infested plants, drench the soil with copper oxycome Town and price of parts After removal of infested plants, spray Nem oil @ 5ml/ litre of with control white fly which is vector for transmission of the disease. After removal of infested plants, spray Nem oil @ 5ml/ litre of with the control white fly which is vector for transmission of the disease.	Turmeric	Rhizome init	tiation	blotch and othe	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
Dieback disease - After removal of infested plants, drench the soil with copper oxycometry of Fipronil 0.5% SC @ 2ml/ litre of with control white fly which is rector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of with control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of with control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of with control white fly which is vector for transmission of the disease. After removal of infested plants, spray Neem oil @ 5ml/ litre of with control white fly which is vector for transmission of the disease. After removal of infested plants, spray of Fipronil 0.5% SC @ 2ml/ litre of with control with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% SC @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fipronil 0.5% ST @ 2ml/ litre of with spray of Fiproni	King Chilli)		- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/litre of water may be given for control of disease.
Name of bird/ animal Stage Disease/ Management - Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat day with half the dose at regular interval of 3 weeks. - As a preventive measure against Coccidiosis, provide Supercox @ of water. Proper ventilation must be provided to protect excessive heat during time. Use water sanitizer in drinking water/potassium permangnate grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. at mix it properly. - Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days. - Inject Neomac @ 1 ml/ 10 kg body weight. - Treat drinking water with potassium permangnate/ sanitizer. Provample ventilation in the shed/ dry bedding. Avoid dampness in shed - Deworming - Deworming with suitable Anthelmatics against Faciolasis. - De-worming with suitable Anthelmatics against Faciolasis. - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with strength or power with Livozyme @ 50ml daily. Fishery: Fishery: Foundation of the disease. Agro-meteorological advisories - Use Albendazole (iquid @ 20-40 ml for 100 adult birds and repeat day with half the dose at regular interval of 3 weeks. - As a preventive measure against Coccidiosis, provide Supercox @ of water. Proper ventilation must be provided to protect excessive heat during time. Use water sanitizer in drinking water/potassium permangnate grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. at mix it properly. - Ofloxacine/ Ornidazole (O2) tab twice daily for 5 days. - Inject Neomac @ 1 ml/ 10 kg body weight. - Treat drinking water with potassium permangnate/ sanitizer. Prov ample ventilation in the shed/ dry bedding. Avoid dampness in shed - Deworming with suitable Anthelmatics against Faciolasis. - Deworming with suitable Anthelmatics against Faciolasis. - Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. - Deworm using Minthal bolus @ ½ bolus per 20 kg body weight acc				Dieback disease	
Poultry (Chicken/Duck)				Leaf curl diseas	r,
Poultry (Chicken/Duck)					
Susceptible age groups Coccidiosis	Name of bird/ anima	ıl Stage	Disea	ase/ Management	Agro-meteorological advisories
Above 3 months of age Cattle Above 3 months of age Above 3 months	· · · · · · · · · · · · · · · · · · ·		Dewori	ming	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
time. Use water sanitizer in drinking water/potassium permangnate grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. at mix it properly. Pig Above 3 months of age Coccidial infection Endo/ Ecto parasite or skin infection Management Treat drinking water with potassium permanganate/sanitizer. Provide water with potassium permanganate/sanitizer. Provide wholesome water. Cattle Above 3 months of age Cattle Above 3 months of age Above 3 months of age All age groups except three months or below Fishery: Time. Use water sanitizer in drinking water/potassium permanganate and yellow for 100 sq. ft. at mix it properly. - Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days. - Inject Neomac @ 1 ml/ 10 kg body weight. - Treat drinking water with potassium permanganate/sanitizer. Provide wholesome with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30 to 400 kg body weight. - Provide wholesome water. Goat All age groups except three months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery:		age groups	Coccidi	osis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit
Above 3 months of age Coccidial infection			Care &	management	Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
months of age Endo/ Ecto parasite or skin infection	Pig	Above 3	Coccidial infection		
Cattle Above 3 months of age Management All age groups except three months or below Fishery: Management Above 3 Deworming Fascioliasis - De-worming with suitable Anthelmatics against Faciolasis. - De-worming with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30 100 kg body weight. - Provide wholesome water. Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Fishery: Fishery: Freat drinking water with potassium permanganate/ sanitizer. Provide method to support the support of the support					in - Inject Neomac @ 1 ml/ 10 kg body weight.
Cattle Above 3 months of age Deworming Deworming Use Albomac suspension@60-90ml for 300kg body weight or 20-30 100 kg body weight. Hand age groups except three months or below Fishery: - De-worming with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30 100 kg body weight. - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery:			Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
months of age Deworming	Cattle Above 3		Fascioliasis		
Goat All age groups except three months or below Fishery: All age groups except three months or below All age groups except three months or below All age groups except three months or below Fishery: - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.			Deworn	ning	Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for
All age groups except three months or below All age groups except three months or below Fishery: All age groups except three months or below Fascioliosis - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.			Manage		
months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery:	except three				- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with
Fishery:		halam			Deworm using Minthal bolus @ ½ bolus per 20 kg body weight
<u>·</u>	Fishery:				
2. Apply lime 30 Kg/ha every 30 days interval		Seed production	Pond ar	nd Water	1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
			Feed		Provide Nutritionally well balanced feed @ 3.5% body weight per day in two
Fish Select fully matured male and female brood fish for induced breeding			Fish		







MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4-31.8 °C and minimum of 22.2-23.0 °C. Mean relative humidity of 88 % max & 69 % min was recorded in the past three days & average wind speed was 2.6–3.4 km/ hr.

Weathe<u>r forecast for Churachandpur (7th to 11th Sept, 2019):</u>

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 °C & mini. temp. 22 °C. Relative humidity may reach upto 99% (max) & 69 % (min). The average wind speed may be 2-3 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- Insect pest management sprays may be done before rains.
- Harvest rain water if it rains.
- Provide clean drinking water for birds and animals.

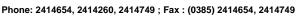
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle		- Maintain water level of 5-8 cm in the crop field.
	initiation		- Weeding may be done. Apply Urea @33kg/ha at PI stage after
			complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to		- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean		Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
			after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
			as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Blackgram	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy
			loam soil rather than with stone and gravel.
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
Rabi vegetables	Nursery		- Raising nurseries of rabi vegetables.
			- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east
			and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight.
			- Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
	transplanting		variety such as white flash and nursery site for next cauliflower crop such
			as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea			done. Recommended varieties for French bean are – Pant Anupama,
			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.





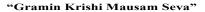
"Gramin Krishi Mausam Seva"

Onion	Land prepara	ation			Land preparation for sowing of onion in the <i>hill areas</i> may be done nere the temperature have become lower.
Turmeric	Rhizome init	Taphrine leaf blotch and ot leaf spot		r - S wi	Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately th Sixer at 15 days interval.
King Chilli	Flowering to fruiting	•			Uproot and burn the disease infested plants. Spray of Trichoderma @ og/litre of water may be given for control of disease.
			Dieback diseas		After removal of infested plants, drench the soil with copper oxychloride WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
			Leaf curl disea	se - A	After removal of infested plants, spray Neem oil @ 5ml/ litre water to ntrol white fly which is vector for transmission of the disease.
Animal Sciences					·
Name of bird/ animal	Stage	Dise	ase/ Management		Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Dewor	ming		Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next y with half the dose at regular interval of 3 weeks.
	age groups	Coccidi	iosis	- A	As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit water.
		Care & management		tin gra	oper ventilation must be provided to protect excessive heat during day ne. Use water sanitizer in drinking water/potassium permangnate (few ains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and ix it properly.
Pig	Above 3	Coccidial infection			Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
_	months of age	Endo/ Ecto parasite or skin infection			nject Neomac @ 1 ml/ 10 kg body weight.
		Manage	ement		Freat drinking water with potassium permanganate/ sanitizer. Provide apple ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3	Fascioliasis			De-worming with suitable Anthelmatics against Faciolasis.
	months of age	Deworming		Us	se Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 00kg body weight.
		Manage	ement		Provide wholesome water.
Goat	Goat All age groups except three		iosis		Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with tamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		De	eworm using Minthal bolus @ ½ bolus per 20 kg body weight companied with Livozyme @ 50ml daily.
Fishery:		•			
Carp culture Seed production		Pond a	nd Water		r depth should be maintained at 2.0 m y lime 30 Kg/ha every 30 days interval
		Feed			Nutritionally well balanced feed @ 3.5% body weight per day in two
		Fish			fully matured male and female brood fish for induced breeding
					·





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30^{th} then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88% max & 69% min was recorded in the past three days & average wind speed was 2.6–3.4 km/hr.

Weather forecast for Imphal West (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 °C & mini. temp. 22 °C. Relative humidity may reach upto 99% (max) & 55 % (min). The average wind speed may be 2-5 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

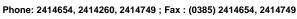
Name of the crop			
	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle		- Maintain water level of 5-8 cm in the crop field.
	initiation		- Weeding may be done. Apply Urea @33kg/ha at PI stage after
			complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to		- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean		Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
			after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
			as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Blackgram	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy
			loam soil rather than with stone and gravel.
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		T =	
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Nursery		- Raising nurseries of rabi vegetables.
			- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east
			and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
Caulillower	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	uanspianung		as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea	Land preparation		done. Recommended varieties for French bean are – Pant Anupama,
Divau bean & rea			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 43cm) and 1 angknut Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.
			pea, Alker of Azad may be planted at a spacing of 10 cm x 50cm.





"Gramin Krishi Mausam Seva"

Properties	Onion	Land prepara	ation		- Land preparation for sowing of onion in the <i>hill areas</i> may be done where the temperature have become lower.
Poultry (Chicker/Duck) Disease/Management Dis			tiation	blotch and other	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
Control white fly which is vector for transmission of the disease.	King Chilli				10g/ litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
Poultry (Chicken Duck)				Leaf curl disea	r, r
Poultry (Chicken/Duck)	Animal Sciences				
Susceptible age groups	Name of bird/ animal	Stage	Disea	se/ Management	t Agro-meteorological advisories
Care & management Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig	Poultry (Chicken/ Duck)				
time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig Above 3		age groups	Coccidi	osis	of water.
Pig			Care & management		time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and
months of age	Pig	Above 3	Coccidial infection		
Cattle Above 3 months of age Management All age groups except three months or below Fishery: Carp culture Management Above 3 Months of age Above 3 Months of age All age groups except three months or below Fishery: Carp culture Management Above 3 Months of age Above 3 Months of age All age groups except three months or below Fishery: Carp culture Management All age groups except three months or below Fishery: Carp culture All age groups except three months or below Fishery: Carp culture Management - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. - De-worming with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: 1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	J	months of			
months of age Deworming			Manage	ment	
All age groups except three months or below Endoparasite Ectoparasite Ectoparasite Pond and Water Seed production Pond and Water Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Cattle	Above 3	Fascioliasis		- De-worming with suitable Anthelmatics against Faciolasis.
All age groups except three months or below Endoparasite/ Ectoparasite Pond and Water Seed production Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.			Deworming		
except three months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		Manag		ment	- Provide wholesome water.
Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Goat	except three	Fascioli	osis	
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		Liluope			
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Fishery:				
Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		ed production	Pond an	d Water	
			Feed		Provide Nutritionally well balanced feed @ 3.5% body weight per day in two
			Fish		





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30^{th} then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88% max & 69% min was recorded in the past three days & average wind speed was 2.6–3.4 km/hr.

Weather forecast for Imphal East (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 $^{\circ}$ C & mini. temp. 23 $^{\circ}$ C. Relative humidity may reach upto 97% (max) & 62 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle		- Maintain water level of 5-8 cm in the crop field.
	initiation		- Weeding may be done. Apply Urea @33kg/ha at PI stage after
			complete drainage of water. Irrigate field after 48hrs of top dressing.
		Sheath blight/	- Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain
		sheath rot	out water from field before the spray.
		Sucking insect	- Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/	Flowering to		- Weeding may be done to keep the plot clean to avoid insect pest
Groundnut/ Rice	fruiting/ pegging		infestation.
Bean		Rust in Soybean	- Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval
			after rains.
		Tikka disease in	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in
		groundnut	groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil
			as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
			control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Blackgram	Sowing to		- Weeding may be done to keep the plot clean to avoid insect pest
	vegetative		infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production
			of seed in foothills and upland area. Select the area with fertile and sandy
			loam soil rather than with stone and gravel.
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	- Cu		
Name of the crop	Stage Nursery	Pest and disease	Agro-meteorological advisories - Raising nurseries of rabi vegetables.
Rabi vegetables	Nursery		- Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east
			and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it.
			Such arrangement will be helpful for good sunlight.
			- Procure good quality seeds from reliable sources.
Cauliflower	Nursery		Field preparation must be completed for transplanting of mid-season
Caumower	transplanting		variety such as white flash and nursery site for next cauliflower crop such
	transplanting		as Swetha may be started so as to give continuous supply to the market.
French Bean,	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be
Broad bean & Pea	Land preparation		done. Recommended varieties for French bean are – Pant Anupama,
Divad bean & I ca			Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai
			(local) (to be planted at a spacing of 30cm x 43cm) and Tangandi Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill).
			For broad bean, plant local variety at a spacing of 30cm x 45cm. And for
			pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.
			pour, randr of radius fluing of plained in a spacing of 10 cm x 30cm.





"Gramin Krishi Mausam Seva"

Turmeric Rhizome initiation Taphrine leaf blotch and other leaf spot - Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval. Flowering to fruiting - Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/litre of water. - After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.	Onion	Land prepara	tion		- Land preparation for sowing of onion in the <i>hill areas</i> may be done where the temperature have become lower.
Fruiting Dieback disease Dieback disease After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.					- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
Care & management Coccidial infection Above 3 Monagement Above 3 Months of age Adaptive of age Above 3 Months of age	King Chilli				10g/ litre of water may be given for control of disease. - After removal of infested plants, drench the soil with copper oxychloride 75WP and give a foliar spray of Fipronil 0.5%SC @ 2ml/ litre of water.
Poultry (Chicken Duck)				Leaf curl disea	I way I way
Poultry (Chicken/Duck)	Animal Sciences				
Susceptible age groups	Name of bird/ animal	Stage	Disea	se/ Management	Agro-meteorological advisories
Care & management Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig	Poultry (Chicken/ All		Deworming		
time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly. Pig Above 3		age groups	Coccidiosis		of water.
Pig Above 3 months of age Endo/ Ecto parasite or skin infection Cattle Above 3 Fascioliasis months of age Above 3 Fascioliasis months of age All age groups except three months or below Tendoparasite/ Endo/ Ecto parasite or skin infection Anagement All age groups except three months or below Tendoparasite/ Fishery: Carp culture Above 3 Fascioliasis Cocidial infection Endo/ Ecto parasite or skin infection Anagement All age groups except three months or below Fishery: Carp culture Above 3 Fascioliasis Feed Pond and Water 1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits			Care & management		time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and
months of age	Pig	Above 3	Endo/ Ecto parasite or skin		
Cattle Above 3 months of age Management All age groups except three months or below Fishery: Carp culture Management Above 3 Months of age Above 3 Months of age All age groups except three months or below Fishery: Carp culture Management Above 3 Months of age Above 3 Months of age All age groups except three months or below Fishery: Carp culture Management All age groups except three months or below Fishery: Carp culture All age groups except three months or below Fishery: Carp culture Management - Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds. - De-worming with suitable Anthelmatics against Faciolasis. Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - Provide wholesome water. - Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	8	months of			
Management Deworming Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.			Management		
Goat	Cattle	Above 3			- De-worming with suitable Anthelmatics against Faciolasis.
All age groups except three months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits			Deworming		
except three months or below Endoparasite/ Ectoparasite Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily. Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits			Management		- Provide wholesome water.
Fishery: Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Goat	except three	Fascioli	osis	
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		11 1 L			
Carp culture Seed production Pond and Water 1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits	Fishery:				
Feed Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits		ed production	d production Pond an		
*		Feed			Provide Nutritionally well balanced feed @ 3.5% body weight per day in two





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30th then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88 % max & 69 % min was recorded in the past three days & average wind speed was 2.6–3.4 km/hr.

Weather forecast for Senapati (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-33 $^{\circ}$ C & mini. temp. 23-24 $^{\circ}$ C. Relative humidity may reach upto 99% (max) & 77 % (min). The average wind speed may be 3 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

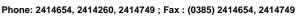
Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Tillering to panicle initiation	Sheath blight/ sheath rot Sucking insect	 Maintain water level of 5-8 cm in the crop field. Weeding may be done. Apply Urea @33kg/ha at PI stage after complete drainage of water. Irrigate field after 48hrs of top dressing. Spray Propiconazole @ 15ml/ 15 lit water after rains. Preferably, drain out water from field before the spray. Spray Imidachloprid @ 8ml/ 15 litres of water after rains.
Soybean/ Groundnut/ Rice Bean	Flowering to fruiting/ pegging	Rust in Soybean	 Weeding may be done to keep the plot clean to avoid insect pest infestation. Spray Mancozeb 75%WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval after rains.
		Tikka disease in groundnut Hairy caterpillars	 Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease. For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to
		Trany caterpinars	control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing to vegetative		- Weeding may be done to keep the plot clean to avoid insect pest infestation.
Blackgram	Sowing to vegetative		- Weeding may be done to keep the plot clean to avoid insect pest infestation.
Potato	Land preparation		- Prepare land for planting potato for early crop and also for production of seed in foothills and upland area. Select the area with fertile and sandy loam soil rather than with stone and gravel.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rabi vegetables	Nursery		 Raising nurseries of rabi vegetables. Provide temporary rain shelter/ shed upto 5-5.5 feet facing towards east and 3-3.5 feet towards west. Bamboo chatai/ tin sheets may be used for it. Such arrangement will be helpful for good sunlight. Procure good quality seeds from reliable sources.
Cauliflower	Nursery transplanting		Field preparation must be completed for transplanting of mid-season variety such as white flash and nursery site for next cauliflower crop such as Swetha may be started so as to give continuous supply to the market.
French Bean, Broad bean & Pea	Land preparation		Land preparation for sowing of french bean, broad bean and pea may be done. Recommended varieties for French bean are – Pant Anupama, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm. And for pea, Arkel or Azad may be planted at a spacing of 10 cm x 30cm.

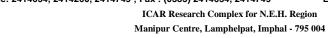




"Gramin Krishi Mausam Seva"

Onion	Land prepara	ation		- Land preparation for sowing of onion in the <i>hill areas</i> may be done
for sowing				where the temperature have become lower.
Turmeric	Rhizome initiation		Taphrine leaf blotch and othe leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
King Chilli Flowering to fruiting				- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback diseas	
				- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	t Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible			- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
-	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
		Care & management		Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
Pig	Above 3	Coccidi	ial infection	- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
0	months of age	Endo/ Ecto parasite or skin infection		kin - Inject Neomac @ 1 ml/ 10 kg body weight.
		Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3 Fascio		iasis	- De-worming with suitable Anthelmatics against Faciolasis.
	months of age	Deworming		Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
	Manag		ement	- Provide wholesome water.
Goat	All age groups except three Fasciol			- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				·
risitery.				
	ed production	Pond an	nd Water	1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
	ed production	Pond ar	nd Water	1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits





"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (3rd to 5th Sept, 2019):

18.3 mm rainfall was observed during the past three days. The skies remained mainly clear to partly cloudy on 30^{th} then mainly cloudy to overcast thereafter. Maximum temperature ranged from 28.4–31.8 °C and minimum of 22.2–23.0 °C. Mean relative humidity of 88% max & 69% min was recorded in the past three days & average wind speed was 2.6–3.4 km/hr.

Weather forecast for Tamenglong (7th to 11th Sept, 2019):

Likely to have widespread light to moderate rains from Sunday to Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 30-32 $^{\circ}\text{C}$ & mini. temp. 24-25 $^{\circ}\text{C}$. Relative humidity may reach upto 100% (max) & 67 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 6th September, 2019

- 1. Monitor insect-pest infestation in crops.
- 2. Insect pest management sprays may be done before rains.
- 3. Harvest rain water if it rains.
- 4. Provide clean drinking water for birds and animals.

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"Gramin Krishi Mausam Seva"

Onion	Land prepara	ition		- Land preparation for sowing of onion in the <i>hill areas</i> may be done
for sowing				where the temperature have become lower.
Turmeric	Rhizome initiation		Taphrine leaf blotch and othe leaf spot	- Spray Redomil MZ 72 WP @ 2g/lit water at least two times alternately with Sixer at 15 days interval.
King Chilli Flowering to fruiting				- Uproot and burn the disease infested plants. Spray of Trichoderma @ 10g/ litre of water may be given for control of disease.
			Dieback disease	
			Leaf curl diseas	- After removal of infested plants, spray Neem oil @ 5ml/ litre water to control white fly which is vector for transmission of the disease.
Animal Sciences				
Name of bird/ animal	Stage	Dise	ase/ Management	Agro-meteorological advisories
	All Dework		ming	- Use Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half the dose at regular interval of 3 weeks.
	age groups	Coccidiosis		- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
		Care & management		Proper ventilation must be provided to protect excessive heat during day time. Use water sanitizer in drinking water/potassium permangnate (few grains). Keep the litter dry & add 2 kg lime powder for 100 sq. ft. area and mix it properly.
Pig	Above 3	Coccidial infection		- Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.
	months of age	Endo/ Ecto parasite or skin infection		
		Management		- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
Cattle	Above 3 Fascio		iasis	- De-worming with suitable Anthelmatics against Faciolasis.
	months of age	Deworming		Use Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
	Manag		ement	- Provide wholesome water.
Goat	All age groups except three Fasciol			- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
	months or below	Endopa Ectopai		Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
Fishery:				
	red production Pond ar Feed		nd Water	1.Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
				Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits