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



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"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 10th October, 2014

Imphal-East

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Imphal-East (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 – 31.8 °C, range of	temp. of 28.0 – 29.0 °C & minimum temp. 16.0 – 17.0 °C.
minimum temperature observed was 17.0 - 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 96 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-4 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>		
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to		Weeding may be done.
8	fruiting	Hairy caterpillar	Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	.]		
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and





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				Shoot borer	nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
				Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
				leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango	Iango Appearance of new flush in bearing trees			At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil $1\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre 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 Sci		~		D		
Name of the ar			wth stage	Disease/ infestation	Agro-meteorological advisories	
					logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age groups (as and when		Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with glucose.	
		requ	ired)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goat	/ Goat Above 3 months of age (as and when required)		Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.		
Pig		Above 3 months of age (as and when required)		Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
				Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
				Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffa	alo/		ve 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		-	(as and when ired)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		1040		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:						
Type of Farming	Stage Management		Management	Agro-metrological advisor	ies	
Carp/	Grow –			- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/			 maintained at 1.0-1.5m. Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
culture nurse		ries				
Paddy cum fish	Water	· man	agement	- Maintained 1.0 m wa	ter depth of the trenches in paddy field. I mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide	
culture				application.		

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"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 10th October, 2014

Imphal-West

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Imphal-West (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 – 31.8 °C, range of	temp. of 27.0 – 29.0 °C & minimum temp. 16.0 – 18.0 °C.
minimum temperature observed was 17.0 – 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 85 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-4 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>		
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to		Weeding may be done.
0	fruiting	Hairy caterpillar	Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			0
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and





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				Shoot borer	nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
				Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
				leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango	Iango Appearance of new flush in bearing trees			At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil $1\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre 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 Sci		~		D		
Name of the ar			wth stage	Disease/ infestation	Agro-meteorological advisories	
					logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age groups (as and when		Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with glucose.	
		requ	ired)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goat	/ Goat Above 3 months of age (as and when required)		Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.		
Pig		Above 3 months of age (as and when required)		Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
				Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
				Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffa	alo/		ve 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		-	(as and when ired)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		1040		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:						
Type of Farming	Stage Management		Management	Agro-metrological advisor	ies	
Carp/	Grow –			- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/			 maintained at 1.0-1.5m. Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
culture nurse		ries				
Paddy cum fish	Water	· man	agement	- Maintained 1.0 m wa	ter depth of the trenches in paddy field. I mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide	
culture				application.		

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MANIPUR BULLETIN 10th October, 2014

Senapati

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Senapati (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 - 31.8 °C, range of	temp. of 22.0 – 27.0 °C & minimum temp. 14.0 – 16.0 °C.
minimum temperature observed was 17.0 - 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 89 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-4 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>		
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to		Weeding may be done.
8	fruiting	Hairy caterpillar	Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	J	I.	0
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and





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					nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
				Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
				leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango	Appearance of new flush in bearing trees			At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 $\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1 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 Sci						
Name of the an			wth stage	Disease/ infestation	Agro-meteorological advisories	
					ogging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All s	susceptible age	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with	
		groups (as and when required)			glucose.	
				Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goat	Above 3 months of age (as and when required)		Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.		
Pig		Above 3 months of age (as and when		Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		requ	ired)	Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
				Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffa	ulo/		ve 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (requ	(as and when ired)	Deworming	Give Nilzan/Tolzan-F @ 30ml/ 100 kg body weight.	
		1040		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:						
Type of Farming	Stage		Management	Agro-metrological advisor	ies	
Carp/	Grow –			- Ponds should be free	from unwanted vegetation and insects and water depth should be	
Catfish	out/			maintained at 1.0-1.5m		
culture nurse		ries		- Feeds should be provided 2-3 times a day @ 5-10% body weight per day.		
				- Apply Green AQ @ 4	ortified with vitamins and minerals should be provided. 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. hgs/ha can be stocked. Sampling of fish should be done by regular netting.	
Paddy cum fish	Water management		agement	- Maintained 1.0 m wa	ter depth of the trenches in paddy field. mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide	

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MANIPUR BULLETIN 10th October, 2014

Tamenglong

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Tamenglong (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 - 31.8 °C, range of	temp. of 25.0 – 29.0 °C & minimum temp. 15.0 – 17.0 °C.
minimum temperature observed was 17.0 – 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 76 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-4 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>		
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage	nuting		 Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	.]		
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and



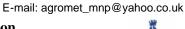


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				nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
			Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
			leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango		Appearance of new flush in bearing trees		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 $\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1 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 Sci					
Name of the a		Growth stage	Disease/ infestation	Agro-meteorological advisories	
				ogging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age groups (as and when	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with glucose.	
		required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goa	ıt	Above 3 months of age (as and when required)	Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		required)	Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buff	alo/	Above 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:					
Type of Farming	Stage	Management	Agro-metrological advisor	ies	
Carp/ Catfish	Grow – out/		- Ponds should be free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.		
culture	nurseries		 Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Paddy cum fish culture	Water management		 Maintained 1.0 m water depth of the trenches in paddy field. Provide rice bran and mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide application. 		

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MANIPUR BULLETIN 10th October, 2014

Thoubal

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Thoubal (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 - 31.8 °C, range of	
minimum temperature observed was 17.0 – 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 93 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>		
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage	nuting		 Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	_]		
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and



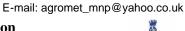


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					nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
				Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
				leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango		ne	opearance of w flush in aring trees		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 $\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre 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 Sci						
Name of the an			wth stage	Disease/ infestation	Agro-meteorological advisories	
					logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All s	usceptible age	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with	
		groups (as and when required)			glucose.	
				Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goat	Goat Above 3 months of age (as and when required)		as and when	Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
Pig		age (ve 3 months of as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		requ	ired)	Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
				Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffa	alo/		ve 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (requ	(as and when ired)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		. 1		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:						
Type of Farming	Stage		Management	Agro-metrological advisor	ies	
Carp/	Grow – out/ nurseries			 Ponds should be free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m. Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Catfish						
culture						
Paddy cum fish			agement	- Maintained 1.0 m wa	ter depth of the trenches in paddy field. I mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide	

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"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 10th October, 2014

Ukhrul

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Ukhrul (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 - 31.8 °C, range of	
minimum temperature observed was 17.0 - 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 80 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-3 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>		
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to		Weeding may be done.
	fruiting	Hairy caterpillar	Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	J		0
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and





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					nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
				Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
				leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango		ne	opearance of w flush in aring trees		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 $\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre 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 Sci						
Name of the an			wth stage	Disease/ infestation	Agro-meteorological advisories	
					logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All s	usceptible age	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with	
		groups (as and when required)			glucose.	
				Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goat	Goat Above 3 months of age (as and when required)		as and when	Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
Pig		age (ve 3 months of as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		requ	ired)	Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
				Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffa	alo/		ve 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (requ	(as and when ired)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		. 1		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:						
Type of Farming	Stage		Management	Agro-metrological advisor	ies	
Carp/	Grow – out/ nurseries			 Ponds should be free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m. Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Catfish						
culture						
Paddy cum fish			agement	- Maintained 1.0 m wa	ter depth of the trenches in paddy field. I mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide	

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"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 10th October, 2014

Bishnupur

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Bishnupur (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 – 31.8 °C, range of	temp. of 28.0 – 29.0 °C & minimum temp. 16.0 – 17.0 °C.
minimum temperature observed was 17.0 – 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 86 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-4 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>	I.	
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage	nuting		 Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	_ <u>_</u>		
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and



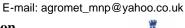


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				nutrient availability.	
				- Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
			Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
			leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango		Appearance of new flush in bearing trees		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 $\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1 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 Sci Name of the a			D . / . 6 / <i>i</i> .		
		Growth stage	Disease/ infestation	Agro-meteorological advisories ogging around the sheds as it may help in mosquito breeding.	
- Take up me		o reduce flies and mo	squitoes population in a	nd around the birds/ animals sheds.	
Poultry		All susceptible age groups (as and when	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with glucose.	
		required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goa	Sheep/ Goat Above 3 months of age (as and when required)		Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		required)	Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffa	alo/	Above 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		requireu)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:					
Type of Farming	Stage Management		Agro-metrological advisor		
Carp/	Grow –		- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/		maintained at 1.0-1.5m.		
culture nurserie		nes	 Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. 		
			 Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Paddy cum fish	Water	r management	- Maintained 1.0 m wa - Provide rice bran and	ter depth of the trenches in paddy field. mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide	
culture			application.		

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MANIPUR BULLETIN 10th October, 2014

Chandel

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Chandel (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 - 31.8 °C, range of	temp. of 28.0 – 30.0 °C & minimum temp. 17.0 – 18.0 °C.
minimum temperature observed was 17.0 - 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	
87.3 % and 63.0 % respectively. The average wind speed	
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	<u></u>	l.	
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage			 Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	_ <u>_</u>		
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and





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				nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
			Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
			leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango		Appearance of new flush in bearing trees		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil $1\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1 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 Sc					
Name of the a		Growth stage	Disease/ infestation	Agro-meteorological advisories ogging around the sheds as it may help in mosquito breeding.	
		to reduce flies and mo		nd around the birds/ animals sheds.	
Poultry		All susceptible age groups (as and when	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with glucose.	
		required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goa	t	Above 3 months of age (as and when required)	Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		required)	Deworming Ticks	- Deworm using Piperazine citrate @ 30 ml per adult animal once. Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buff	alo/	Above 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:					
Type of Farming	Stage Management		Agro-metrological advisor		
Carp/ Catfish	Grow – out/ nurseries Water management		- Ponds should be free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.		
culture			 Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 		
Paddy cum fish culture			 Maintained 1.0 m water depth of the trenches in paddy field. Provide rice bran and mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide application. 		

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"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 10th October, 2014

Churachandpur

Significant past weather for the preceding bi-weekly of Imphal - West (7 th to 9 th October, 2014)	Weather forecast for next five days of Churachandpur (11 th to 15 th October, 2014)
During past three days sky was mainly clear to partly cloudy.	There may be light to moderate rains in the next few days.
No rainfall was recorded during past three days. Maximum	Sky may be partly cloudy to mainly cloudy with maximum
temperature range observed was 29.8 – 31.8 °C, range of	temp. of 28.0 – 30.0 °C & minimum temp. 16.0 – 18.0 °C.
minimum temperature observed was 17.0 - 17.7 °C, mean	Relative humidity may reach a maximum of 100 %
relative humidity observed in morning and afternoon were	(maximum RH) & 85 % (minimum RH). The average
87.3 % and 63.0 % respectively. The average wind speed	wind speed may be 2-4 km/ hr during next five days.
range was $0.5 - 1.0$ km/hr.	

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			J
Kharif Rice	Grain filling to maturity & harvesting		 Water level should be maintained at 5cm level before maturity but drain it out completely 10 days before harvesting. Sprays mentioned below may be done preferably during evening hours. For early sown crops, if 80 % of the spikelet have turned yellow, harvest before rains.
		Neck Blast	- Spray Tricyclazole 75% @ 10g/15 litres of water before rains.
		Bacterial leaf blight	Streptocycline @ 1g/15 litres of water (at least 5-6 pumps per sangam).
		Sheath blight/ Bakani	Carbendazim @ 30-40g/ 15 lit of water or Hexaclonazole @ 15ml/ 15 lit of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Maturity to harvesting		Harvest mature crop, sun-dry it for 2-3 days then thresh. Maintain required moisture content before storage for seed.
Groundnut	Maturity to harvesting		 Harvest the crop when 125 days old (var. ICGS-76) as well as dark tint 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.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Storage	nuting		 Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops	.]		
Onion	Nursery raising		 Apply Captan 50 WP after final land preparation as preventive measures against soil borne diseases. Also check that the new sprouts are not damaged.
Carrot/ Radish/ Coriander	Sowing		Radish/ Carrot/ Corriander may be sown.
Capsicum	Nursery		This is the ideal time for nursery sowing for capsicum for early/off- season vegetable under polyhouse.
Ginger/ Turmeric	Rhizome initiation stage		 Mulch the bed with paddy straw or green leaves especially leguminous plants rich in nitrogen (e.g., leaves of early rice bean in hills) or Acalypha leaves (rich in phosphorus) @ 1-1.25 t/ Sangam after rains. Mulching with leaves of Lantana camera is also useful for controlling shoot borer. Pour cowdung slurry or liquid manure to ensure microbial activity and





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				nutrient availability. - Apply Trichoderma along with bio-fertilizer (Azospirilium, Azotobacter and PSB, etc.).	
			Shoot borer	- Spray <i>Malathion</i> or <i>Monocrotophos</i> @ 1 ml/lit of water at 21 days interval twice or thrice depending upon the severity of incidence.	
			leaf blotch and leaf spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.	
Mango		Appearance of new flush in bearing trees		At this stage, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 $\frac{1}{2}$ feet away from the trunk or Planth growth promoting rhizobium bacteria (PGPR) or organic formulation like Jivamrut (Mix 10 kg cowdung + 10 litre cow urine + 2 kg jiggery + 2 kg of pulse grain flour + 1 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 Sc					
Name of the a		Growth stage	Disease/ infestation	Agro-meteorological advisories	
				logging around the sheds as it may help in mosquito breeding. nd around the birds/ animals sheds.	
Poultry		All susceptible age	Coccidiosis	Give Coximar @ 2 g/ lit of drinking water for 5-7 days along with	
		groups (as and when		glucose.	
		required)	Deworming	Use Ventrimizole @ 1g in 1 litre of drinking water for 3 days.	
Sheep/ Goa	it	Above 3 months of age (as and when required)	Tetanus	In pregnant animals, inject Tetanus Toxoid @ 0.5ml at 3.5 months of pregnancy.	
Pig		Above 3 months of age (as and when	Coccidial infection (Diarrhea)	Ofloxacine/ Ornidazole (O ₂) tab twice daily for 5 days.	
		required)	Deworming	- Deworm using Piperazine citrate @ 30 ml per adult animal once.	
			Ticks	Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal.	
Cattle / Buffalo/	`alo/	Above 3 months of	Amphistomiasis	- Give Tolzan-F @30 ml/ 100 kg body weight.	
Mithun		age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.	
		required)	Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.	
Fishery:					
Type of Farming	Stage	Management	Agro-metrological advisor	ies	
Carp/	Grow –		- Ponds should be free from unwanted vegetation and insects and water depth should be		
Catfish	out/		maintained at 1.0-1.5m.		
culture nurseries		ries	 Feeds should be provided 2-3 times a day @ 5-10% body weight per day. Well balanced feed fortified with vitamins and minerals should be provided. 		
		 Apply Green AQ @ 4litre/ ha or lime @ 200kg/ ha. Maintain good quality of pond water. 8000-10,000 fingerlings/ha can be stocked. Sampling of fish should be done by regular netting. 			
Paddy cum fish	Water management		 Maintained 1.0 m water depth of the trenches in paddy field. Provide rice bran and mustard oil cake (1:1) as supplementary feed. Avoid insecticide/pesticide 		
culture			application.		

SMS: