



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

26th September, 2014

Chandel

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)	Weather forecast for next five days of Chandel (27th September to 1st October, 2014)
During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.	There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 28.0 – 31.0 °C & minimum temp. 20.0 – 22.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 77 % (minimum RH). The average wind speed may be 4-5 km/ hr during next five days.

Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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



“Integrated Agromet Advisory Services”

Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	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.
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.

(I. Meghachandra Singh)
Scientist i/c, GKMS



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“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

26th September, 2014

Churachandpur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)</p> <p>During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.</p>	<p>Weather forecast for next five days of Churachandpur (27th September to 1st October, 2014)</p> <p>There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 27.0 – 30.0 °C & minimum temp. 18.0 – 20.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 75 % (minimum RH). The average wind speed may be 3-4 km/ hr during next five days.</p>
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Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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“Integrated Agromet Advisory Services”

Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	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.
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.

(I. Meghachandra Singh)
Scientist i/c, GKMS



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MANIPUR BULLETIN

26th September, 2014

Imphal-East

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)	Weather forecast for next five days of Imphal-East (27th September to 1st October, 2014)
During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.	There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 28.0 – 30.0 °C & minimum temp. 19.0 – 21.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 78 % (minimum RH). The average wind speed may be 2-4 km/ hr during next five days.

Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	Grow – out/ nurseries		<ul style="list-style-type: none">- 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.
Paddy cum fish culture	Water management		<ul style="list-style-type: none">- 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.

(I. Meghachandra Singh)
Scientist i/c, GKMS



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“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

26th September, 2014

Imphal-West

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)	Weather forecast for next five days of Imphal-West (27th September to 1st October, 2014)
During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.	There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 27.0 – 30.0 °C & minimum temp. 19.0 – 21.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 69 % (minimum RH). The average wind speed may be 2-4 km/ hr during next five days.

Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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Manipur Centre, Lamphelpat, Imphal - 795 004**



“Integrated Agromet Advisory Services”

Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	Grow – out/ nurseries		<ul style="list-style-type: none">- 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.
Paddy cum fish culture	Water management		<ul style="list-style-type: none">- 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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26th September, 2014

Senapati

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

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Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
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Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	Grow – out/ nurseries		<ul style="list-style-type: none">- 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.
Paddy cum fish culture	Water management		<ul style="list-style-type: none">- 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.

(I. Meghachandra Singh)
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**ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004**



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

26th September, 2014

Tamenglong

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)	Weather forecast for next five days of Tamenglong (27th September to 1st October, 2014)
During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.	There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 29.0 – 31.0 °C & minimum temp. 20.0 – 22.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 75 % (minimum RH). The average wind speed may be 2-4 km/ hr during next five days.

Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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Manipur Centre, Lamphelpat, Imphal - 795 004**



“Integrated Agromet Advisory Services”

Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	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.
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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**ICAR Research Complex for N.E.H. Region
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MANIPUR BULLETIN

26th September, 2014

Thoubal

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)</p> <p>During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.</p>	<p>Weather forecast for next five days of Thoubal (27th September to 1st October, 2014)</p> <p>There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 28.0 – 31.0 °C & minimum temp. 19.0 – 21.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 74 % (minimum RH). The average wind speed may be 4-6 km/ hr during next five days.</p>
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Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	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.
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.

(I. Meghachandra Singh)
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**ICAR Research Complex for N.E.H. Region
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MANIPUR BULLETIN

26th September, 2014

Ukhrul

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)</p> <p>During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.</p>	<p>Weather forecast for next five days of Ukhrul (27th September to 1st October, 2014)</p> <p>There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 25.0 – 39.0 °C & minimum temp. 14.0 – 18.0 °C. Relative humidity may reach a maximum of 99 % (maximum RH) & 69 % (minimum RH). The average wind speed may be 3-5 km/ hr during next five days.</p>
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Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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



“Integrated Agromet Advisory Services”

Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	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.
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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**ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004**



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

26th September, 2014

Bishnupur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 27th September to 1st October, 2014 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (23rd to 25th September, 2014)	Weather forecast for next five days of Bishnupur (27th September to 1st October, 2014)
During past three days sky was partly cloudy to cloudy. 39.4 mm rainfall was recorded during past three days. Maximum temperature range observed was 28.5 – 30.1 °C, range of minimum temperature observed was 21.1 – 22.1 °C, mean relative humidity observed in morning and afternoon were 96.7 % and 76.3 % respectively. The average wind speed range was 1.4 – 2.8 km/hr.	There may be light rain upto Saturday and no rain thereafter. Sky may be mainly clear to partly cloudy with maximum temp. of 28.0 – 31.0 °C & minimum temp. 18.0 – 21.0 °C. Relative humidity may reach a maximum of 100 % (maximum RH) & 75 % (minimum RH). The average wind speed may be 4 km/ hr during next five days.

Weather Outlook for subsequent 4 days from 29th September 2014 to 3rd October 2014

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Kharif Rice	Dough stage to grain filling		- Maintain water level of 5-8cm. - Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7ml/ 15litres of water.
Soybean	Pod formation to maturity	- Rust - Hairy caterpillar	- Spray Mancozeb 75% WP @ 1.25 to 2 kg/ ha at 7 to 10 days interval. - Spray Chloropyriphos 20 EC @ 2.5 ml/ lit of water.
Groundnut	Pod formation		- Hand weeding should be done to prevent hairy caterpillar and other insect pest.
		Tikka disease	- Spray Carbendazim @ 0.5g / lit of water.
Blackgram	Flowering to fruiting	Hairy caterpillar	Weeding may be done. Avoid weeding if it rains. 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			
Mango	Bearing trees		As the new flush has started appearing, apply 50g Urea + 100g DAP + 40g MOP in the soil 1 ½ feet away from the trunk.
Ginger/ Turmeric	Rhizome initiation stage	leaf blotch and leaf spot	- 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 nutrient availability. - Apply of Trichoderma along with bio-fertilizer (Azospirillum, Azotobacter and PSB, etc.). - To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval after rains.



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



“Integrated Agromet Advisory Services”

Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding. - Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Poultry	All susceptible age groups (as and when required)	Coccidiosis	Give Amprolium powder @ 2 g/ lit of drinking water for 7days along with glucose.
		Deworming	Give Piperazine liquid @ 45ml for 100 adult birds (30ml on 1 st day and 15ml on 2 nd day).
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	Give Albendazole liquid @ 10 ml orally once only.
Pig	Above 3 months of age (as and when required)	Coccidial infection (Diarrhea)	Ofloxacin/ 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 / Buffalo/ Mithun	Above 3 months of age (as and when required)	Deworming	Give Nilzan/ Tolzan- F @ 30ml/ 100 kg body weight.
		Ticks/ Wounds	Topicure Spray may be used twice daily on the affected parts.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp/ Catfish culture	Grow – out/ nurseries		<ul style="list-style-type: none">- 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.
Paddy cum fish culture	Water management		<ul style="list-style-type: none">- 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.

(I. Meghachandra Singh)
Scientist i/c, GKMS