

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



"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 13th December, 2013

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 14th to 18th December, 2013 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

Weather forecast for next five days of Senapati (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 20.0 - 23.0 °C & minimum temp. 2.0 - 4.0 °C. Relative Humidity may reach a maximum value of 99 % (maximum RH) & 41 % (minimum RH). The average wind speed may be 2-6 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			- J.
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative		- Give light irrigation just to keep soil moist Avoid plucking of young shoots.



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
	required)	Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 - Increase energy feed upto 5% (like maize, rice bran, etc.). - Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun	of age (as and when required)		- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 Minimum feed must be provided in two splits @ 1-2 % of body weight per day. Check fish health from time to time by netting.
			- Check fish health from time to time by netting.



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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 14th to 18th December, 2013 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

Weather forecast for next five days of Tamenglong (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 22.0 - 25.0 °C & minimum temp. 4.0 - 6.0 °C. Relative Humidity may reach a maximum value of 97 % (maximum RH) & 39 % (minimum RH). The average wind speed may be 3-6 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			- J.
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative		- Give light irrigation just to keep soil moist Avoid plucking of young shoots.



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
	required)	Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 - Increase energy feed upto 5% (like maize, rice bran, etc.). - Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun	of age (as and when required)		- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 - If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. - If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 Minimum feed must be provided in two splits @ 1-2 % of body weight per day. Check fish health from time to time by netting.
			- Check fish health from time to time by netting.



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Thoubal

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Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

Weather forecast for next five days of Thoubal (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 22.0 - 25.0 °C & minimum temp. 4.0 - 6.0 °C. Relative Humidity may reach a maximum value of 100 % (maximum RH) & 47 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			-)-
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative sed in and around the cr		Give light irrigation just to keep soil moist. Avoid plucking of young shoots.

- * Smoking is advised in and around the crop field during morning and evening hours.
- * Apply organic mulches after earthing up and weeding to conserve residual soil moisture as well as to maintain the soil temperature.



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
	required)	Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 - Increase energy feed upto 5% (like maize, rice bran, etc.). - Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun	of age (as and when required)		- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 Minimum feed must be provided in two splits @ 1-2 % of body weight per day. Check fish health from time to time by netting.
			- Check fish health from time to time by netting.



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Ukhrul

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Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

Weather forecast for next five days of Ukhrul (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 21.0 - 23.0 °C & minimum temp. 3.0 - 4.0 °C. Relative Humidity may reach a maximum value of 95 % (maximum RH) & 46 % (minimum RH). The average wind speed may be 3-5 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			- J.
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative		- Give light irrigation just to keep soil moist Avoid plucking of young shoots.



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"Integrated Agromet Advisory Services"

Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
	required)	Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 Increase energy feed upto 5% (like maize, rice bran, etc.). Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun	of age (as and when required)		- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 Minimum feed must be provided in two splits @ 1-2 % of body weight per day. Check fish health from time to time by netting.
			- Check fish health from time to time by netting.



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Bishnupur

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Weather forecast for next five days of Bishnupur (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 23.0 - 25.0 °C & minimum temp. 5.0 - 6.0 °C. Relative Humidity may reach a maximum value of 99 % (maximum RH) & 44 % (minimum RH). The average wind speed may be 2-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			- J.
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative sed in and around the cr		Give light irrigation just to keep soil moist.Avoid plucking of young shoots.

- * Smoking is advised in and around the crop field during morning and evening hours.
- * Apply organic mulches after earthing up and weeding to conserve residual soil moisture as well as to maintain the soil temperature.



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
	required)	Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 Increase energy feed upto 5% (like maize, rice bran, etc.). Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
		Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months of age (as and when required)	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun			- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	- Minimum feed must be provided in two splits @ 1-2 % of body weight per day.
			- Check fish health from time to time by netting.



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"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 13th December, 2013

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 14th to 18th December, 2013 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

Weather forecast for next five days of Chandel (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 21.0 - 24.0 °C & minimum temp. 3.0 - 5.0 °C. Relative Humidity may reach a maximum value of 97 % (maximum RH) & 50 % (minimum RH). The average wind speed may be 3-4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			- J.
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative		- Give light irrigation just to keep soil moist Avoid plucking of young shoots.



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
	required)	Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 Increase energy feed upto 5% (like maize, rice bran, etc.). Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun	of age (as and when required)		- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 - Minimum feed must be provided in two splits @ 1-2 % of body weight per day. - Check fish health from time to time by netting.
			- Check fish health from time to time by netting.

Phone: 2414654, 2414260, 2414749; Fax: (0385) 2414654, 2414749 E-mail: agromet_mnp@yahoo.co.uk



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MANIPUR BULLETIN 13th December, 2013

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 14th to 18th December, 2013 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. No rainfall was recorded during past three days. Maximum temperature range observed was 23.2 - 23.3 °C, range of minimum temperature observed was 5.0 - 8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4 - 1.9 km/hr.

Weather forecast for next five days of Churachandpur (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 23.0 - 25.0 °C & minimum temp. 3.0 – 5.0 °C. Relative Humidity may reach a maximum value of 98 % (maximum RH) & 39 % (minimum RH). The average wind speed may be 4-5 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops	1		<u> </u>
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/	Vegetative		- Apply foliar application of urea {5 pumps per sangam @ 10g/pump}.
Mustard			- If irrigation facility is available, give light irrigation just to keep soil
			moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during
			vegetative stage.
Rabi Maize	Land preparation		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width
	to sowing		40cm high ridges along east-west may be prepared after ploughing.
			Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for
			germination of seeds or fungal growth. Well ventilated rooms must be
			used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the
			crops are prone to fungal disease.
Tree Bean	Pre-bearing and		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
	bearing plants		
Cauliflower	Curd initiation		- If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or
	stage		spray Tracel (micronutrient @ 5 g/ lit of water) in addition to
			recommended dose of fertilizer.
			- At this stage 4 kg DAP + 4 kg K ₂ O for 2000 plants may be applied.
	Transplanting to		- Give light watering during morning and evening hours till plants are
Onion/ Garlic	vegetative		established.
	For late sowing		- Direct seeded followed by thinning of nursery may be done for onion (at
	of onion		a spacing of 10 cm plant to plant & 20 cm row to row)
			- For an area of 10 m ² , 1500 seedlings are required.
Cabbage/	For ratoon/		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for
Broccoli	sprouts (in early		good yield.
	sown crops)		
	Nursery		- If yellowing of leaves of mature seedlings is observed, spray
			Carbendazim @ 1g/ lit of water.
			- Transplanting may be completed at earliest possible.
Garden pea	Vegetative		- Give light irrigation just to keep soil moist.
			- Avoid plucking of young shoots.

- * Apply organic mulches after earthing up and weeding to conserve residual soil moisture as well as to maintain the soil temperature.



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
		Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 - Increase energy feed upto 5% (like maize, rice bran, etc.). - Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months of age (as and when required)	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
		Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months of age (as and when required)	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun			- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 Minimum feed must be provided in two splits @ 1-2 % of body weight per day. Check fish health from time to time by netting.
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MANIPUR BULLETIN 13th December, 2013

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 14th to 18th December, 2013 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

Weather forecast for next five days of Imphal - East (14th to 18th December, 2013)

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 22.0 - 24.0 °C & minimum temp. 4.0 – 5.0 °C. Relative Humidity may reach a maximum value of 100 % (maximum RH) & 41 % (minimum RH). The average wind speed may be 0-5 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			- J.
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative		- Give light irrigation just to keep soil moist Avoid plucking of young shoots.



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Name of the	Growth stage	Disease/ infestation	Agro-meteorological advisories
animal	Growth stage	Discuser infestation	rigio inceco diogram autibories
Poultry	All susceptible	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per
	age groups (as		1000kg of mash) and drinking water (30g 25 lit of water) of poultry above
	and when		3 weeks of age.
	required)	Ranikhet disease	1. F-1 Strain may be first administered within 7 days of age and second
			dose may be given at 30days.
			2. R ₂ B vaccine at 8-9 weeks of age and
			3. Killed ND virus vaccine at 16-18 weeks of age.
		Management	- Increase energy feed upto 5% (like maize, rice bran, etc.).
			- Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7
			days along with vitamin B & vitamin A.
			- protect birds from cold by hanging plastic sheet all around the wire
GI / G /	A1	D	mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and
			mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with
D.	41 2 1	G . E	Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun	of age (as and when required)		- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due
			to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	- If the pond water quality is not good then change it with fresh and clear
			water. Maintained water depth of 1.0-1.5m.
			- If the water level in pond is decreasing then culture pond area may be
			reduced and stocking density may be maintained.
		Feeding	- Minimum feed must be provided in two splits @ 1-2 % of body weight per
			day.
			- Check fish health from time to time by netting.



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



"Integrated Agromet Advisory Services"

MANIPUR BULLETIN 13th December, 2013

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 14th to 18th December, 2013 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (10th to 12th December, 2013)

During the past three days the sky was clear to partly cloudy. **No** rainfall was recorded during past three days. Maximum temperature range observed was 23.2-23.3 °C, range of minimum temperature observed was 5.0-8.1 °C, mean relative humidity observed in morning and afternoon were 87.3 % and 52.7 % respectively. The average wind speed range was 1.4-1.9 km/hr.

 $\frac{\text{Weather forecast for next five days of Imphal - West}}{(14^{\text{th}} \text{ to } 18^{\text{th}} \text{ December}, 2013)}$

There may be no rain upto Wednesday. Sky may be clear with maximum temp. of 21.0 - 23.0 °C & minimum temp. 4.0 - 6.0 °C. Relative Humidity may reach a maximum value of 98 % (maximum RH) & 39 % (minimum RH). The average wind speed may be 2-6 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Post-harvest		- Dry grains/ seeds to 12-14% moisture if mechanical thresher is used.
Rapeseed/ Mustard	Vegetative		 Apply foliar application of urea {5 pumps per sangam @ 10g/pump}. If irrigation facility is available, give light irrigation just to keep soil moist during vegetative stage.
Pulses	Vegetative		- Give light irrigation to pea and lentil just to keep soil moist during vegetative stage.
Rabi Maize	Land preparation to sowing		- Rabi maize may be sown as intercrop with potato or pulses. 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds.
Storage			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Well ventilated rooms must be used for storage of grains/ seeds.
Horticulture Cro	ps		
Broad bean	Sowing		- Broad bean may be sown. Avoid sowing in damped and shed area as the crops are prone to fungal disease.
Tree Bean	Pre-bearing and bearing plants		- Spray Thiomethoxam @ 5g/15 lit of water against stem borer.
Cauliflower	Curd initiation stage		 If Whip tail is observed in cauliflower, spray Borax @ 3g/ lit of water or spray Tracel (micronutrient @ 5 g/ lit of water) in addition to recommended dose of fertilizer. At this stage 4 kg DAP + 4 kg K₂O for 2000 plants may be applied.
Onion/ Garlic	Transplanting to vegetative		- Give light watering during morning and evening hours till plants are established.
	For late sowing of onion		 Direct seeded followed by thinning of nursery may be done for onion (at a spacing of 10 cm plant to plant & 20 cm row to row) For an area of 10 m², 1500 seedlings are required.
Cabbage/ Broccoli	For ratoon/ sprouts (in early sown crops)		- In large scale farms, farmers are advised to top dress 3g DAP/ plant for good yield.
	Nursery		 - If yellowing of leaves of mature seedlings is observed, spray Carbendazim @ 1g/ lit of water. - Transplanting may be completed at earliest possible.
Garden pea	Vegetative sed in and around the cr		Give light irrigation just to keep soil moist. Avoid plucking of young shoots.

^{*} Smoking is advised in and around the crop field during morning and evening hours.

^{*} Apply organic mulches after earthing up and weeding to conserve residual soil moisture as well as to maintain the soil temperature.



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



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Animal Scienc	es		
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Coccidiosis	- Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age.
		Ranikhet disease	 F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. R₂B vaccine at 8-9 weeks of age and Killed ND virus vaccine at 16-18 weeks of age.
		Management	 Increase energy feed upto 5% (like maize, rice bran, etc.). Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. protect birds from cold by hanging plastic sheet all around the wire mesh/ poultry shed.
Sheep/ Goat	Above 3 months	Deworming	- Administer Banif Bolus orally @ 1 bolus/ 100 kg b. wt.
	of age (as and when required)	Ectoparasite	Spray Butox @ 2ml in 1 lit of water for protection against mange and mites.
			- Administer Minthal bolus @ 1 bolus/ 40kg b.wt. accompanied with Livoferol @ 20ml daily.
Pig	Above 3 months of age (as and when required)	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Cattle / Buffalo/	Above 3 months of age (as and when required)	Skin disease	- Spray Butox @ 2ml in 1 lit of water, twice a week.
Mithun			- For milch cow, administer 100 ml Osteovet liq. daily.
			- Himax ointment may be applied on the affected area/ wounds caused due to bites of warble flies.
Fisheries			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Grow-out	Pond water	 If the pond water quality is not good then change it with fresh and clear water. Maintained water depth of 1.0-1.5m. If the water level in pond is decreasing then culture pond area may be reduced and stocking density may be maintained.
		Feeding	 Minimum feed must be provided in two splits @ 1-2 % of body weight per day. Check fish health from time to time by netting.
			- Check Itsh health from time to time by netting.