



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (25th to 27th March, 2014)

The sky was partly cloudy to mainly cloudy but mainly clear during morning hours of 25th March. **3.5 mm** rainfall was recorded during past three days. Maximum temperature range observed was 27.2 – 27.9 °C, range of minimum temperature observed was 12.0 – 14.7 °C, mean relative humidity observed in morning and afternoon were 87.0 % and 54.0 % respectively. The average wind speed range was 3.8 – 7.3 km/hr.

Weather forecast for next five days of Churachandpur (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 29.0 – 31.0 °C & minimum temp. 15.0 - 18.0 °C. Relative Humidity may reach a maximum of 90 % (maximum RH) & 30 % (minimum RH). The average wind speed may be 5-6 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

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Weather forecast for next five days of Imphal - West (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 29.0 – 31.0 °C & minimum temp. 15.0 - 18.0 °C. Relative Humidity may reach a maximum of 96 % (maximum RH) & 28 % (minimum RH). The average wind speed may be 2-3 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

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Weather forecast for next five days of Senapati (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 27.0 – 29.0 °C & minimum temp. 13.0 - 16.0 °C. Relative Humidity may reach a maximum of 93 % (maximum RH) & 29 % (minimum RH). The average wind speed may be 2 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @ 5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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Weather forecast for next five days of Senapati (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 27.0 – 29.0 °C & minimum temp. 13.0 - 16.0 °C. Relative Humidity may reach a maximum of 93 % (maximum RH) & 29 % (minimum RH). The average wind speed may be 2 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @ 5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

(I. Meghachandra Singh)
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MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

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Weather forecast for next five days of Tamenglong (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 30.0 – 32.0 °C & minimum temp. 16.0 - 19.0 °C. Relative Humidity may reach a maximum of 95 % (maximum RH) & 29 % (minimum RH). The average wind speed may be 2-3 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (25th to 27th March, 2014)

The sky was partly cloudy to mainly cloudy but mainly clear during morning hours of 25th March. **3.5 mm** rainfall was recorded during past three days. Maximum temperature range observed was 27.2 – 27.9 °C, range of minimum temperature observed was 12.0 – 14.7 °C, mean relative humidity observed in morning and afternoon were 87.0 % and 54.0 % respectively. The average wind speed range was 3.8 – 7.3 km/hr.

Weather forecast for next five days of Thoubal (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 31.0 °C & minimum temp. 15.0 - 18.0 °C. Relative Humidity may reach a maximum of 90 % (maximum RH) & 32 % (minimum RH). The average wind speed may be 4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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



“Integrated Agromet Advisory Services”

Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (25th to 27th March, 2014)

The sky was partly cloudy to mainly cloudy but mainly clear during morning hours of 25th March. **3.5 mm** rainfall was recorded during past three days. Maximum temperature range observed was 27.2 – 27.9 °C, range of minimum temperature observed was 12.0 – 14.7 °C, mean relative humidity observed in morning and afternoon were 87.0 % and 54.0 % respectively. The average wind speed range was 3.8 – 7.3 km/hr.

Weather forecast for next five days of Ukhrul (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 26.0 – 29.0 °C & minimum temp. 14.0 - 16.0 °C. Relative Humidity may reach a maximum of 85 % (maximum RH) & 28 % (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
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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



“Integrated Agromet Advisory Services”

Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @ 5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (25th to 27th March, 2014)

The sky was partly cloudy to mainly cloudy but mainly clear during morning hours of 25th March. **3.5 mm** rainfall was recorded during past three days. Maximum temperature range observed was 27.2 – 27.9 °C, range of minimum temperature observed was 12.0 – 14.7 °C, mean relative humidity observed in morning and afternoon were 87.0 % and 54.0 % respectively. The average wind speed range was 3.8 – 7.3 km/hr.

Weather forecast for next five days of Bishnupur (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 31.0 – 32.0 °C & minimum temp. 16.0 - 18.0 °C. Relative Humidity may reach a maximum of 91 % (maximum RH) & 31 % (minimum RH). The average wind speed may be 4 km/hr during next five days.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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



“Integrated Agromet Advisory Services”

Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @ 5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

28th March, 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 29th March to 2nd April, 14 as given below:

Significant past weather for the preceding bi-weekly of Imphal - West (25th to 27th March, 2014)

The sky was partly cloudy to mainly cloudy but mainly clear during morning hours of 25th March. **3.5 mm** rainfall was recorded during past three days. Maximum temperature range observed was 27.2 – 27.9 °C, range of minimum temperature observed was 12.0 – 14.7 °C, mean relative humidity observed in morning and afternoon were 87.0 % and 54.0 % respectively. The average wind speed range was 3.8 – 7.3 km/hr.

Weather forecast for next five days of Chandel (29th March to 2nd April, 2014)

It is likely to have no rain upto Wednesday. Sky may be mainly clear to partly cloudy with maximum temp. of 30.0 – 32.0 °C & minimum temp. 17.0 - 19.0 °C. Relative Humidity may reach a maximum of 85 % (maximum RH) & 31 % (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
* Harvest rain water. Drainage may be constructed well before rains.			
Field Crops			
Early kharif rice	Nursery and main field preparation to transplanting		<ul style="list-style-type: none"> - Maintain optimum water level in nursery. - At the time of final leveling, apply 97 kg Urea, 87Kg DAP and 45 Kg MOP per ha. - Seedlings may be uprooted at 30-45 days after sowing for transplanting. Seedlings may be transplanted immediately after uprooting to avoid transplanting shock. - Row planting of 2-3 seedlings per hill at 25x10 cm using beaded rope may be done. - Maintain 2-3 cm of water level after transplanting.
Rabi Maize	Vegetative	Stem borer	<ul style="list-style-type: none"> - Weeding and inter-culture operation may be done before rain. - To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl.
Storage			<ul style="list-style-type: none"> - 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. - Rodent management should be done in and around godowns.
Horticulture Crops			
Bhindi	Land preparation		<ul style="list-style-type: none"> - Prepare land where there is water logging problem and abundant sunshine is available. Soil must be ploughed to fine tilt.
Tomato	Vegetative	Early blight	<ul style="list-style-type: none"> - Apply Dithane M-45 @ 2gm/ lit of water twice at 7 days interval as a prophylactic measure against early blight. - Interculture operations may done. - Urea @ 50-60 kg /sangam as top dressing just after 30 days of transplanting.
Onion	Flower bud formation	Thrips/ leaf minor	<ul style="list-style-type: none"> - Flower should be removed as soon as it is observed as it will adversely affect bulb formation. - Spray Dichlorovos 76 EC @ 0.5ml/lit of water or Cypermethrin @ 2ml/lit of water to the crop during bulb formation stage.
Fruit Crops	Vegetative		<ul style="list-style-type: none"> - Use dry grass or twigs as mulching material at the basin to conserve the soil moisture.



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



“Integrated Agromet Advisory Services”

Ginger/ turmeric	Planting		<ul style="list-style-type: none"> - While preparing land for planting ginger/ turmeric apply 1 t FYM, 65 kg Urea, 375 kg SSP and 80 kg MOP. - Recommended varieties: For turmeric: Megha turmeric For ginger: Nadia - Use healthy mother rhizome of 25-30g weight and plant at a spacing of 1 ft x 1 ft. Treat the seed with fungicide like Carbendazim @ 2gm/kg seed with dry or wet method. If wet method is applied then treated seed should be allowed to dry in shed before sowing.
Cabbage/ Cauliflower	Head / curd formation stage		- Spray Dichlorovos 76 EC @ 0.5ml/lit of water against green larva of Plutella/ diamond black moth in head / curd formation stage.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry	All susceptible age groups (as and when required)	Ranikhet disease	1. F-1 Strain first dose within 7 days of age and second dose may be given at 30days for all birds (eye drop/ ocular). 2. R ₂ B vaccine to 8-9 weeks of age group birds (layers) (intra-muscularly @ 0.2 cc/ bird). 3. Killed ND virus vaccine of 16-18 weeks of age group birds (layers) (intra-muscularly).
		Coccidiosis	- Add 2g of Amprolium powder in 1 litre of drinking water for 5days.
Sheep/ Goat	Above 3 months of age (as and when required)	FMD	Vaccinate against Foot and mouth disease.
		H.S.	Vaccinate @ 5cc sub-cutaneously against Haemorrhagic Septicaemia for Lamb.
		Porcine Reproductive and Respiratory Syndrome (PRRS)	- Vaccinate @ 1 cc sub-cutaneously against Porcine Reproductive and Respiratory Syndrome (PRRS).
		Theileriosis	- Vaccinate Ivermectin @ 3 cc sub-cutaneously against tick (vector). - If already infected treat with Berenil @ 5ml/ 100 kg body weight (deep intramuscularly).
Pig	Above 3 months of age (as and when required)	Swine Fever & FMD	- Vaccinate against swine fever & FMD after the age of 3 months.
		Ectoparasites	- Spray Butox @ 2ml in 1 lit of water, twice a week.
		Endoparasite	- Administer Albend liq. @ 15 ml orally once and repeat after 7 days.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	B.Q.	Vaccinate against Black Quarter.

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