

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Thoubal

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Thoubal (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 86 % (min). The average wind speed may be 3-6 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like <i>Carbendazim</i> and <i>Sixer</i> may be applied. If <b>powdery mildew</b> is seen in the orchard, then <i>Bayleton</i> @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Ukhrul

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Ukhrul (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 28-29 °C & mini. temp. 20-23 °C. Relative humidity may reach upto 99 % (max) & 86 % (min). The average wind speed may be 3-4 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water. Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Bishnupur

**Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):**

15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.

**Weather forecast for Bishnupur (14<sup>th</sup> to 18<sup>th</sup> August, 2019):**

Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 29-32 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 100 % (max) & 84 % (min). The average wind speed may be 3-4 km/hr.

**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Chandel

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Chandel (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 86 % (min). The average wind speed may be 3-5 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water. Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Churachandpur

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Churachandpur (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 88 % (min). The average wind speed may be 3 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
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Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
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Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Imphal West

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Imphal West (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-33 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 76 % (min). The average wind speed may be 3-4 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Facioliasis	- De-worming with suitable Anthelmatics against Facioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Imphal East

**Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):**

15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.

**Weather forecast for Imphal East (14<sup>th</sup> to 18<sup>th</sup> August, 2019):**

Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 30-33 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 98 % (max) & 71 % (min). The average wind speed may be 4-6 km/hr.

**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water.
			Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Facioliasis	- De-worming with suitable Anthelmatics against Facioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Senapati

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Senapati (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 28-29 °C & mini. temp. 20-23 °C. Relative humidity may reach upto 99 % (max) & 85 % (min). The average wind speed may be 3-5 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like Carbendazim and Sixer may be applied. If powdery mildew is seen in the orchard, then Bayleton @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water. Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 13<sup>th</sup> August, 2019

District: Tamenglong

<b>Past weather for the of Imphal West (9<sup>th</sup> to 12<sup>th</sup> August, 2019):</b> 15.6 mm rainfall was observed during the past four days. The skies remained partly cloudy to cloudy. Maximum temperature ranged from 29.2 – 34.4 °C and minimum of 21.2 – 23.5 °C. Mean relative humidity of 85.5 % max & 68.8 % min was recorded in the past four days & average wind speed was 2.2 – 4.5 km/ hr.	<b>Weather forecast for Tamenglong (14<sup>th</sup> to 18<sup>th</sup> August, 2019):</b> Likely to have light rains upto Thursday. The sky will remain partly cloudy to mainly cloudy with max. temp. 28-29 °C & mini. temp. 20-23 °C. Relative humidity may reach upto 100 % (max) & 81 % (min). The average wind speed may be 3-4 km/hr.
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**General Advisory:**

1. Regularly monitor water requirement of the crops in the field. Give life-saving irrigation wherever possible.
2. Mulching may be done to conserve available soil moisture.
3. Monitor insect-pest infestation in crops.

<b>Field Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Vegetative		- If water is available, life-saving irrigation may be given. - In direct sown crop fields, thinning and weeding may be done. - One hand weeding may be done at 20-30 days after transplanting.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder, borer	- Spray Lambdacythothrin @ 15 ml/ 15 litre water.
Soybean/ Groundnut/ Rice Bean	Vegetative	Tikka disease	- Spray Carbendazim @ 0.5g / lit of water to control Tikka disease in groundnut or 3 sprayings of Bordeaux mixture (4:4:50) with linseed oil as sticker at an interval of 15 days are effective in checking the disease.
		Hairy caterpillars	- For control of red hairy caterpillars, dust 5% Malathion @ 20 kg/ ha to control it or spray Dichlorovos 76 EC 0.05% (0.6ml/ lit of water).
Millet	Sowing		- Treat seeds with Carbendazim @ 2g/ kg seeds before sowing. - Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
Blackgram	Sowing		- Treat seeds of blackgram with talc formulation of <i>Trichoderma viride</i> @ 4g/kg of seed. In rainfed condition, dibble the seeds at a spacing of 25x10cm.
Seed storage	Post-harvest Management		- For seed purpose store the seeds in <i>RC-Seed Bin</i> after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required.
<b>Horticulture Crops</b>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Citrus	Nursery and grown up trees	Caterpillar, thrips & mite.	- Spray Confidor @ 0.5 ml/ lit of water.
		Powdery mildew	Fungicides like <i>Carbendazim</i> and <i>Sixer</i> may be applied. If <b>powdery mildew</b> is seen in the orchard, then <i>Bayleton</i> @ 7 g / 15 lit of water should be sprayed in the grown up trees.
Early Cauliflower	Transplanting to vegetative		- Transplanting of raised early variety seedlings. Add 10kg urea + 50 kg DAP + 40 kg MOP with 10 cart loads of FYM per sangam as basal dose at final land preparation. - Transplant healthy seedlings at a spacing of 45cm x 45cm. - As there is likely to have moderate rains on Sundays, prepare to protect young plants from rains.
Colocasia	Harvesting		- Harvest colocasia before rains to avoid spoiling of corm.
King Chilli	Fruiting to harvesting	Fruit rot and aphid	- Spray Redomil Gold @ 2g/lit water + Imidachloprid @ 3ml/10lit of water.
<b>Animal Sciences</b>			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Piperazine citrate. - Give antibiotic like Sulpha drug @ 30-40 ml/ 100 birds.
		Coccidiosis	- As a preventive measure against Coccidiosis, provide Supercox @ 1g/ lit of water. Add sanitizer in drinking water and avoid muddy water for drinking purpose.
Pig	Above 3	Coccidial infection	- Ofloxacin/ Ornidazole (O <sub>2</sub> ) tab twice daily for 5 days.



	months of age	Endo/ Ecto parasite or skin infection	- Inject Neomac @ 1 ml/ 10 kg body weight.
		Management	- Treat drinking water with potassium permanganate/ sanitizer. Provide ample ventilation in the shed/ dry bedding. Avoid dampness in sheds.
<b>Cattle</b>	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmatics against Fascioliasis.
		Management	- Provide wholesome water. Protection from high temp may be ensured. - Electrolytes in the form of powder/ liquid may be given. Increase salt level in feed. - Protect animals from PICA (depraved appetite) by providing essential body salts (mineral forte powder) 25g/day.
<b>Goat</b>	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		Endoparasite/ Ectoparasite	Deworm using Minthal bolus @ ½ bolus per 20 kg body weight accompanied with Livozyme @ 50ml daily.
		Management	- Fly repellent must be used. Disinfection of farm and premises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.
<b>Fishery:</b>			
<b>Carp culture</b>	Seed production	Pond and Water	1. Water depth should be maintained at 2.0 m 2. Apply lime 30 Kg/ha every 30 days interval
		Feed	Provide Nutritionally well balanced feed @ 3.5% body weight per day in two splits
		Fish	Select fully matured male and female brood fish for induced breeding

(I. Meghachandra Singh)  
Nodal Officer, GKMS