

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 9th August, 2019

District: Ukhrul

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Ukhrul (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 28-29 °C & mini. temp. 20-23 °C. Relative humidity may reach upto 99 % (max) & 92 % (min). The average wind speed may be 3 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Bishnupur

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Bishnupur (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 100 % (max) & 95 % (min). The average wind speed may be 2-4 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Chandel

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Chandel (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 93 % (min). The average wind speed may be 3-4 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Churachandpur

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Churachandpur (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 91 % (min). The average wind speed may be 2-3 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
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		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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.
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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.
Horticulture Crops			
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.
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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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
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(I. Meghachandra Singh)
Nodal Officer, GKMS

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		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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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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Imphal East

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Imphal East (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 98 % (max) & 91 % (min). The average wind speed may be 3-6 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Senapati

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Senapati (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 28-29 °C & mini. temp. 20-23 °C. Relative humidity may reach upto 99 % (max) & 96 % (min). The average wind speed may be 3-4 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Tamenglong

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Tamenglong (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 28-29 °C & mini. temp. 20-23 °C. Relative humidity may reach upto 100 % (max) & 91 % (min). The average wind speed may be 3-4 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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: 9th August, 2019

District: Thoubal

Past weather for the of Imphal West (6th to 8th August, 2019): 8.9 mm rainfall was observed during the past three days. The skies remained mainly cloudy. Maximum temperature ranged from 28.3 – 29.9 °C and minimum of 22.9 – 23.5 °C. Mean relative humidity of 87.0 % max & 69.0 % min was recorded in the past three days & average wind speed was 2.0 – 6.0 km/ hr.	Weather forecast for Thoubal (10th to 14th August, 2019): Likely to have widespread rains from Monday. The sky will remain mainly cloudy to overcast with max. temp. 30-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 95 % (min). The average wind speed may be 3-5 km/hr.
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General Advisory:

1. If water is available, life-saving irrigation may be given in the crop field.
2. Mulching may be done to conserve soil moisture. Monitor water requirement of the crops.

Field Crops			
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.
		Thrips	- Use Blue Sticky Cards @ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
		Sucking insect	- Imidachloprid @ 8ml/ 15 litres of water.
		Leaf folder	- 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 then treat the seeds with rhizobium. 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.
Horticulture Crops			
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	Fungicide like <i>Carbendazim</i> and <i>Sixer</i> must be applied as prophylactic measures. If powdery mildew 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.
Animal Sciences			
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 months of age	Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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.
Cattle	Above 3 months of age	Fascioliasis	- De-worming with suitable Anthelmintics 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.
Goat	All age groups except three months or below	Fascioliasis	- 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.
Fishery:			
Carp culture	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