



MANIPUR AGROMET ADVISORY BULLETIN

District: Thoubal

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of 91.5 % max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,$ km/ hr.

Weather forecast for Thoubal (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 98 % (max) & 93 % (min). The average wind speed may be 3-4 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting		 - Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. - About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. - Seedling of Main season rice can be raised upto first week of July and
	Direct seeding with drum seeder		can be transplanted within 3 rd week of July (for late transplanting). - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



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



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Ukhrul

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,^{\circ}$ km/ hr.

Weather forecast for Ukhrul (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 27-29 °C & mini. temp. 20-21 °C. Relative humidity may reach upto 98 % (max) & 85 % (min). The average wind speed may be 2-3 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



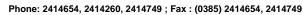
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.





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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,^{\circ}$ km/ hr.

Weather forecast for Patsoi (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with average max. temp. 32.7 °C & mini. temp. 25.0 °C. Relative humidity may reach upto 93.4 % (max) & 62.6 % (min). The average wind speed may be 5.8 km/hr.

Block: Patsoi

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



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"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.





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"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,$ km/ hr.

Weather forecast for Wangoi (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with average max. temp. 32.6 °C & mini. temp. 25.1 °C. Relative humidity may reach upto 93.4 % (max) & 64.4 % (min). The average wind speed may be 5.0 km/hr.

Block: Wangoi

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



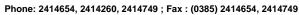
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.







"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

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Weather forecast for Haorangsabal (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with average max. temp. 32.8 °C & mini. temp. 25 °C. Relative humidity may reach upto 94.4 % (max) & 62.4 % (min). The average wind speed may be 5.4 km/hr.

Date of issue: 18th June, 2019

Block: Haorangsabal

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
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Field Crops			
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Summer maize	Vegetative		- Weeding may be done after rains.
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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
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Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



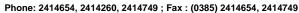
E-mail: agromet_mnp@yahoo.co.uk

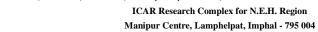
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.







"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (14th to 17th June, 19):
29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 26.0 – 31.8 °C and minimum of 21.0 - 22.8 °C. Mean relative humidity of 91.5 % max &72.0 % min was recorded in the past four days & average wind speed was 1.3 – 5.4 km/ hr.

Weather forecast for Hiyangthang (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with average max. temp. 32.5 °C & mini. temp. 25.1 °C. Relative humidity may reach upto 93.2 % (max) & 63.2 % (min). The average wind speed may be 5.8 km/hr.

Date of issue: 18th June, 2019

Block: Hiyangthang

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



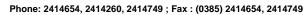
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.
age groups	-	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Bishnupur

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,$ km/ hr.

Weather forecast for Bishnupur (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 96 % (min). The average wind speed may be 2-3 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



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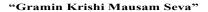
"Gramin Krishi Mausam Seva"

Animal Sciences	Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
age groups	-	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Chandel

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of 91.5 % max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,$ km/ hr.

Weather forecast for Chandel (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 97 % (max) & 88 % (min). The average wind speed may be 3 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



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



"Gramin Krishi Mausam Seva"

Animal Sciences	Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
age groups	-	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		





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

"Gramin Krishi Mausam Seva"



MANIPUR AGROMET ADVISORY BULLETIN

District: Churachandpur

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,^{\circ}$ km/ hr.

Weather forecast for Churachandpur (19th to 23rd June, 2019):

Date of issue: 18th June, 2019

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °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.

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



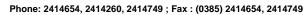
E-mail: agromet_mnp@yahoo.co.uk

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



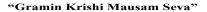
"Gramin Krishi Mausam Seva"

Animal Sciences	Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
age groups	-	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal East

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of 91.5 % max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,$ km/ hr.

Weather forecast for Imphal East (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 97 % (max) & 74 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



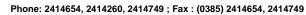
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ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences	Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
age groups	-	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		





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





MANIPUR AGROMET ADVISORY BULLETIN

District: Imphal West

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,^{\circ}$ km/ hr.

Weather forecast for Imphal West (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 29-31 °C & mini. temp. 22-23 °C. Relative humidity may reach upto 99 % (max) & 72 % (min). The average wind speed may be 3-5 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with drum seeder		 Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just
			pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



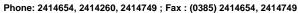
E-mail: agromet_mnp@yahoo.co.uk

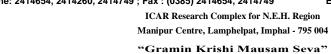
ICAR Research Complex for N.E.H. Region Manipur Centre, Lamphelpat, Imphal - 795 004



"Gramin Krishi Mausam Seva"

Animal Sciences	Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
age groups	-	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		







MANIPUR AGROMET ADVISORY BULLETIN

District: Senapati

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of 91.5 % max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,$ km/ hr.

Weather forecast for Senapati (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. 27-29 °C & mini. temp. 20-21 °C. Relative humidity may reach upto 99 % (max) & 88 % (min). The average wind speed may be 2-3 km/hr.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Main field preparation and transplanting Direct seeding with		 - Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. - About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. - Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field
	drum seeder		properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.
Summer maize	Vegetative		- Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.
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
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling.
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.



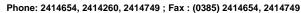
E-mail: agromet_mnp@yahoo.co.uk

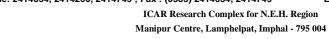
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"Gramin Krishi Mausam Seva"

Animal Sciences	Animal Sciences				
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Poultry (Chicken/ Duck)	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		







"Gramin Krishi Mausam Seva"

MANIPUR AGROMET ADVISORY BULLETIN

District: Tamenglong

Past weather for the of Imphal West (14th to 17th June, 19):

29.6mm rainfall was observed during the past four days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from $26.0-31.8\,^{\circ}\text{C}$ and minimum of $21.0-22.8\,^{\circ}\text{C}$. Mean relative humidity of $91.5\,^{\circ}$ max &72.0 % min was recorded in the past four days & average wind speed was $1.3-5.4\,^{\circ}$ km/ hr.

Weather forecast for Tamenglong (19th to 23rd June, 2019):

Likely to have moderate rains at isolated places upto Friday then light rains thereafter. The sky will remain mainly cloudy to overcast with max. temp. $29\text{-}34\,^{\circ}\text{C}$ & mini. temp. $23\text{-}25\,^{\circ}\text{C}$. Relative humidity may reach upto $99\,\%$ (max) & $91\,\%$ (min). The average wind speed may be $3\,\text{km/hr}$.

Date of issue: 18th June, 2019

- 1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 2. Avoid weeding or earthing up or insect-pest sprays and fertilizer applications mentioned below during rainy days.

Field Crops					
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories		
Kharif Rice	Main field preparation and transplanting		 - Land preparation for transplanting of rice seedlings may be done. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. - Uprooting of 25-30days old rice seedlings may be uprooted depending on availability of water. - About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. - Seedling of Main season rice can be raised upto first week of July and 		
	Direct seeding with drum seeder		can be transplanted within 3 rd week of July (for late transplanting). - Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. Use just pre-germinated seeds.		
Pre-kharif Rice	Maturity to harvesting		- Harvest mature crops after rains.		
Summer maize	Vegetative		- Weeding may be done after rains.		
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		Weeding and thinning may be done after rains.Avoid leaf eating caterpillars at least upto 60 days after sowing.		
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		
Colocasia	Vegetative		- Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after rains.		
Turmeric	Vegetative	Leaf Spot	- Apply Bordeaux mixture (5:5:50) or Captan @ 1.5 g/l of water against Leaf Spot after rains.		
French Bean/ Bhindi	Flowering and fruiting to harvesting		 Weeding may be done after rains to avoid insect pest infestation. Harvest mature crops and retain healthy disease free fruits for seeds. 		
Lime/ Lemon and papaya	Planting		 In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source. Avoid water logging area or frost prone or area where high wind speed is experienced. Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting. 		
Tree bean	Planting		 After rains prepare the pit of size 3x3x3 feet in upland area. Incorporate the top soil with 7 kg FYM + 2-3g of Carbendazim per pit before planting 1 ½ to 2 yrs old healthy seedling. 		
	Pre-bearing plant (4-5 yrs old)		- For pre-bearing plant (4-5 yrs old) apply 10g Urea + 40g DAP + 10g MOP per plant and spray Thiachlorpid 21.7% SC @ 1ml/ lit of water + Carbendazim @ 1g/ lit of water.		



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



"Gramin Krishi Mausam Seva"

Animal Sciences					
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories		
Duck) SI	All susceptible	Endoparasites	- De-worm using Levamizole Hydrochloride. Potash granules may be added in the drinking water of poultry.		
	age groups	Management	- Provide clean drinking water during rainy days. To prevent protozoan, bacterial, fungal diseases, litter should be kept dry and turned regularly. Apply lime powder @ 2.5 kg per 100 sq. ft. area in litter material.		
Pig	Above 3 months of age	Swine Fever Coccidial infection Management	 Vaccinate against swine fever after the age of 3 months. Ofloxacine/ Ornidazole (O₂) tab twice daily for 5 days. 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	Amphistomiasis Deworming Management	Give Tolzan @10-15mg/kg body weight. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - 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	Fascioliosis Management	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily. - Fly repellent must be used. Disinfection of farm and primises are to be carried out strictly. Due care need to be taken to prevent spread of disease caused by flies/ mosquitoes/ ticks, etc.		