

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 21st June, 2019**District: Thoubal****Past weather for the of Imphal West (18th to 20th June, 19):**

40.9 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 29.0 – 33.2 °C and minimum of 21.8 - 22.2 °C. Mean relative humidity of 87.3 % max & 76.7 % min was recorded in the past three days & average wind speed was 2.4 – 4.1 km/ hr.

Weather forecast for Thoubal (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 29-30 °C & mini. temp. 23-24 °C. Relative humidity may reach upto 99 % (max) & 78 % (min). The average wind speed may be 3-7 km/hr.

General Advisory:

1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
2. If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
3. Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

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Weather forecast for Chandel (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 29-30 °C & mini. temp. 23-24 °C. Relative humidity may reach upto 96 % (max) & 69 % (min). The average wind speed may be 3-5 km/hr.

General Advisory:

1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
2. If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
3. Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

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40.9 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 29.0 – 33.2 °C and minimum of 21.8 - 22.2 °C. Mean relative humidity of 87.3 % max & 76.7 % min was recorded in the past three days & average wind speed was 2.4 – 4.1 km/ hr.

Weather forecast for Bishnupur (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 29-30 °C & mini. temp. 23-24 °C. Relative humidity may reach upto 100 % (max) & 79 % (min). The average wind speed may be 2-5 km/hr.

General Advisory:

1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
2. If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
3. Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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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Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
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Pig	Above 3 months of age	Swine Fever	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
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Goat	All age groups except three months or below	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
		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.

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	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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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Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
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(I. Meghachandra Singh)
 Nodal Officer, GKMS

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	Pre-bearing plant (4-5 yrs old)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 21st June, 2019**District: Imphal East****Past weather for the of Imphal West (18th to 20th June, 19):**

40.9 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 29.0 – 33.2 °C and minimum of 21.8 - 22.2 °C. Mean relative humidity of 87.3 % max & 76.7 % min was recorded in the past three days & average wind speed was 2.4 – 4.1 km/ hr.

Weather forecast for Imphal East (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 29-30 °C & mini. temp. 23-24 °C. Relative humidity may reach upto 97 % (max) & 64 % (min). The average wind speed may be 4-7 km/hr.

General Advisory:

1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
2. If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
3. Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 21st June, 2019**District: Imphal West****Past weather for the of Imphal West (18th to 20th June, 19):**

40.9 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 29.0 – 33.2 °C and minimum of 21.8 - 22.2 °C. Mean relative humidity of 87.3 % max & 76.7 % min was recorded in the past three days & average wind speed was 2.4 – 4.1 km/ hr.

Weather forecast for Imphal West (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp. 29-30 °C & mini. temp. 23-24 °C. Relative humidity may reach upto 98 % (max) & 66 % (min). The average wind speed may be 3-5 km/hr.

General Advisory:

1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
2. If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
3. Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 21st June, 2019*District: Senapati***Past weather for the of Imphal West (18th to 20th June, 19):**

40.9 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 29.0 – 33.2 °C and minimum of 21.8 - 22.2 °C. Mean relative humidity of 87.3 % max & 76.7 % min was recorded in the past three days & average wind speed was 2.4 – 4.1 km/ hr.

Weather forecast for Senapati (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp 26-27 °C & mini. temp. 20-21°C. Relative humidity may reach upto 98 % (max) & 82 % (min). The average wind speed may be 3-5 km/hr.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
- Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 21st June, 2019**District: Tamenglong****Past weather for the of Imphal West (18th to 20th June, 19):**

40.9 mm rainfall was observed during the past three days. The skies remained partly cloudy to mainly cloudy. Maximum temperature ranged from 29.0 – 33.2 °C and minimum of 21.8 - 22.2 °C. Mean relative humidity of 87.3 % max & 76.7 % min was recorded in the past three days & average wind speed was 2.4 – 4.1 km/ hr.

Weather forecast for Tamenglong (22nd to 26th June, 2019):

Likely to have light rains at isolated places upto Tuesday and moderate rains on Wednesday. The sky will remain mainly cloudy to overcast with max. temp 27-28 °C & mini. temp. 21-22 °C. Relative humidity may reach upto 99 % (max) & 77 % (min). The average wind speed may be 3-5 km/hr.

General Advisory:

1. Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
2. If soil conditions favours, weeding or earthing up may be done before rains. If insect-pest sprays and fertilizer applications are required to be done then it may be carried out before rains.
3. Harvest mature crops before rains.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Kharif Rice	Field preparation and transplanting		<ul style="list-style-type: none"> - Land preparation for nursery/ 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 of field for transplanting. - 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).
	Direct seeding with drum seeder		<ul style="list-style-type: none"> - 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	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops before rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done before rains if soil conditions permits.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done before rains if soil conditions permits. - Avoid leaf eating caterpillars at least upto 60 days after sowing.
Seed storage	Post-harvest Management		<ul style="list-style-type: none"> - 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
Chilli	Harvesting		<ul style="list-style-type: none"> - Harvest mature crops for seeds before rains.
Turmeric	Vegetative	Leaf Spot	<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> - Weeding may be done before rains to avoid insect pest infestation. - Harvest mature crops and retain healthy disease free fruits for seeds.
Lime/ Lemon and papaya	Planting		<ul style="list-style-type: none"> - In fertile upland area, prepare pits of size 2x2x2 feet to transplant the seeded or grafted seedlings from a reliable source before rains. - Incorporate FYM and Trichoderma @ 20g/ pit with the top soil while planting.
Tree bean	Planting		<ul style="list-style-type: none"> - Prepare the pit of size 3x3x3 feet in upland area for planting before rains. 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)		<ul style="list-style-type: none"> - 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.



Animal Sciences			
Name of bird/ animal	Stage	Disease/ Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All susceptible age groups	Endoparasites	- De-worm using Levamisole Hydrochloride. Potash granules may be added in the drinking water of poultry.
		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	- Vaccinate against swine fever after the age of 3 months.
		Coccidial infection	- Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		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	Amphistomiasis	Give Tolzan @10-15mg/kg body weight.
		Deworming	- De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		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	Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice 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.

(I. Meghachandra Singh)
 Nodal Officer, GKMS