

**MANIPUR AGROMET ADVISORY BULLETIN**Date of issue: 18th June, 2019*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 °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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 °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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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****District: Imphal West****Date of issue: 18th June, 2019****Block: Patsoi****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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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****District: Imphal West****Date of issue: 18th June, 2019****Block: Wangoi****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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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***District: Imphal West***Date of issue: 18th June, 2019****Block: Haorangsabal****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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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***District: Imphal West***Date of issue: 18th June, 2019****Block: Hiyangthang****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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019**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 °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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 °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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 °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 Churachandpur (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) & 91 % (min). The average wind speed may be 2-3 km/hr.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 °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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 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.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 °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 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.

General Advisory:

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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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: 18th June, 2019*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 °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 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. 29-34 °C & mini. temp. 23-25 °C. Relative humidity may reach upto 99 % (max) & 91 % (min). The average wind speed may be 3 km/hr.

General Advisory:

- Provisions may be made to harvest rain water in the fields for rice nursery/ sowing.
- 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		<ul style="list-style-type: none"> - 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).
	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	Maturity to harvesting		<ul style="list-style-type: none"> - Harvest mature crops after rains.
Summer maize	Vegetative		<ul style="list-style-type: none"> - Weeding may be done after rains.
Soybean/ Groundnut/ Blackgram/ Rice Bean	Vegetative		<ul style="list-style-type: none"> - Weeding and thinning may be done after rains. - 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
Colocasia	Vegetative		<ul style="list-style-type: none"> - Apply foliar spray of Trichoderma @ 10gm/ litre of water at 7 days interval against Alternaria leaf spot after 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 after 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. - 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		<ul style="list-style-type: none"> - 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)		<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