



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”

**MANIPUR BULLETIN****4th May, 2018****Bishnupur**

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Bishnupur (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 28-29 °C & minimum temp. 16 °C. Relative humidity may reach up to 100 % (max RH) & 87 % (min RH). The average wind speed may be 0-2 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	<i>For Rabi Maize</i> Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	<i>Kharif maize</i> Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

Horticulture Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

Animal Sciences			
* Repair the sheds of birds and animals to protect from strong winds and rains. * Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



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Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			
* Care must be taken for newly rain fed ponds by liming for stocking fish fries/ fingerlings or yearlings.			
* Intensive care must be taken for fish brooders by keeping them in separate ponds. It must be provided with balanced feed and good quality water.			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
	Feed	Well balanced feed may be fed @ 3-5% body weight/day.	

(I. Meghachandra Singh)
Scientist i/c, GKMS



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**MANIPUR BULLETIN****4th May, 2018**Chandel

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Chandel (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 25-26 °C & minimum temp. 13 °C. Relative humidity may reach up to 95 % (max RH) & 56 % (min RH). The average wind speed may be 3-4 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

<i>Field Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	For Rabi Maize Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	Kharif maize Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

<i>Horticulture Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

<i>Animal Sciences</i>			
* Repair the sheds of birds and animals to protect from strong winds and rains. * Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



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Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			
* Care must be taken for newly rain fed ponds by liming for stocking fish fries/ fingerlings or yearlings.			
* Intensive care must be taken for fish brooders by keeping them in separate ponds. It must be provided with balanced feed and good quality water.			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
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Maize	<i>For Rabi Maize</i> Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
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Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
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Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
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		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
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Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
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		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
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MANIPUR BULLETIN

4th May, 2018

Imphal East

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		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
	Feed	Well balanced feed may be fed @ 3-5% body weight/day.	

(I. Meghachandra Singh)
 Scientist i/c, GKMS



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”

**MANIPUR BULLETIN****4th May, 2018***Imphal West*

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Imphal West (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 25-28 °C & minimum temp. 16 °C. Relative humidity may reach up to 100 % (max RH) & 48 % (min RH). The average wind speed may be 0-3 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

<i>Field Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	<i>For Rabi Maize</i> Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	<i>Kharif maize</i> Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

<i>Horticulture Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

<i>Animal Sciences</i>			
* Repair the sheds of birds and animals to protect from strong winds and rains.			
* Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”



Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			
* Care must be taken for newly rain fed ponds by liming for stocking fish fries/ fingerlings or yearlings.			
* Intensive care must be taken for fish brooders by keeping them in separate ponds. It must be provided with balanced feed and good quality water.			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
	Feed	Well balanced feed may be fed @ 3-5% body weight/day.	

(I. Meghachandra Singh)
Scientist i/c, GKMS



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”



MANIPUR BULLETIN

4th May, 2018

Senapati

KGMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Senapati (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 24-25 °C & minimum temp. 12-13 °C. Relative humidity may reach up to 100 % (max RH) & 78 % (min RH). The average wind speed may be 2-3 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

<i>Field Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	For Rabi Maize Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	Kharif maize Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

<i>Horticulture Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

<i>Animal Sciences</i>			
* Repair the sheds of birds and animals to protect from strong winds and rains. * Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”



Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			
* Care must be taken for newly rain fed ponds by liming for stocking fish fries/ fingerlings or yearlings.			
* Intensive care must be taken for fish brooders by keeping them in separate ponds. It must be provided with balanced feed and good quality water.			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
	Feed	Well balanced feed may be fed @ 3-5% body weight/day.	

(I. Meghachandra Singh)
 Scientist i/c, GKMS



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”

**MANIPUR BULLETIN****4th May, 2018**Tamenglong

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Tamenglong (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 25-26 °C & minimum temp. 13 °C. Relative humidity may reach up to 100 % (max RH) & 78 % (min RH). The average wind speed may be 2 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

<i>Field Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	<i>For Rabi Maize</i> Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	<i>Kharif maize</i> Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

<i>Horticulture Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

<i>Animal Sciences</i>			
* Repair the sheds of birds and animals to protect from strong winds and rains.			
* Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”



Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			
* Care must be taken for newly rain fed ponds by liming for stocking fish fries/ fingerlings or yearlings.			
* Intensive care must be taken for fish brooders by keeping them in separate ponds. It must be provided with balanced feed and good quality water.			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
	Feed	Well balanced feed may be fed @ 3-5% body weight/day.	

(I. Meghachandra Singh)
Scientist i/c, GKMS



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”



MANIPUR BULLETIN

4th May, 2018

Thoubal

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Thoubal (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 28-29 °C & minimum temp. 16 °C. Relative humidity may reach up to 100 % (max RH) & 61 % (min RH). The average wind speed may be 2-4 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

<i>Field Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	<i>For Rabi Maize</i> Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	<i>Kharif maize</i> Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

<i>Horticulture Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

<i>Animal Sciences</i>			
* Repair the sheds of birds and animals to protect from strong winds and rains.			
* Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



ICAR Research Complex for N.E.H. Region

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”



Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
• Fodder cultivation: Berseem/ oat crop may be sown immediately.			
Fishery			
* New fish ponds may be made or old ones may be renovated/ cleaned before for large scale fish culture.			
* Care must be taken for newly rain fed ponds by liming for stocking fish fries/ fingerlings or yearlings.			
* Intensive care must be taken for fish brooders by keeping them in separate ponds. It must be provided with balanced feed and good quality water.			
Type of Farming	Stage	management	Agro-metrological advisories
Carp culture	nurseries	Pond and water	Ponds water should be clean and clear free from unwanted vegetation and insects and water depth should be maintained at 1.0-1.5m.
		Feed	Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day
		Fish	20-30 million spawn can be stock in 1 ha pond.
	Grow -out	Pond and water	Regular manuring with a slurry of RCD @1500kg/ha at interval of 30 days should be done.
		Fish	8000-10,000 fingerlings can be stocked per ha. Sampling of fish for growth, diseases (if any) should be done by regular netting.
		Feed	Well balanced feed should be provided @ 3-5% body weight per day in 2-3 splits.
Paddy cum fish culture	Field	Prepare trenches/channels in rice field to a depth of 1.0 - 1.5m. 30-40% of the rice fields can be converted into trenches/ditch/channels for paddy cum fish culture.	
Cat fish (Ngakra)	Pond and water	Pond water may be replenished with fresh water maintaining a depth of 1m.	
	Fish	Male and female brooder fishes may be segregated for breeding operations.	
	Feed	Well balanced feed may be fed @ 3-5% body weight/day.	

(I. Meghachandra Singh)
Scientist i/c, GKMS



ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004
“Gramin Krishi Mausam Seva”



MANIPUR BULLETIN

4th May, 2018

Ukhrul

GKMS at AMFU- Lamphelpat, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and India Meteorological Department, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 5th to 9th May, 2018 as below:

<p>Significant past weather for the preceding bi-weekly of Imphal - West (1st to 3rd May, 2018) Observed 14.1 mm rainfall with overcast sky during past three days with variable sky on the 3rd afternoon. Maximum temperature recorded ranged from 27.5 to 28.0 °C and minimum of 15.3 to 19.4 °C with mean relative humidity 91.7 % max and 67 % min was recorded in the past three days.</p>	<p>Weather forecast for next five days of Ukhrul (5th to 9th May, 2018) Likely to have widespread rainfall and heavy rainfall at isolated places from Saturday to Tuesday with mainly cloudy to overcast sky with maximum temp. 25-26 °C & minimum temp. 13 °C. Relative humidity may reach up to 95 % (max RH) & 62 % (min RH). The average wind speed may be 2-3 km/hr.</p>
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* Harvest rain water for future use. Harvesting mature crops, fertilizer application or insecticide or pesticide sprays may be done before rains. Drainage may be constructed well to avoid water logging in and around the crop field.

<i>Field Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Pre-kharif Rice	Tillering		- Maintained optimum water depth of 5-8cm in the field. Drain out excess water if accumulated due to rain in crop field.
Maize	<i>For Rabi Maize</i> Flowering & silking		- Drainage may be constructed well to avoid water logging in and around the crop field. - Construct wind breaks to avoid uprooting of standing crops by the high speed winds.
	<i>Kharif maize</i> Land preparation and seed collection		Land preparation for maize cultivation can be started after rains. Procure disease free quality seeds from reliable source.
Soybean/ Groundnut/ Blackgram/ Redgram	Seed collection to Land preparation		- Collect good quality seeds from reliable source for sowing. - Land preparation for sowing of soybean/ groundnut/ blackgram/ redgram may be started after rains.
Seeds storage	Post harvest management		For seed purpose store the seeds in RC-Seed Bin after proper drying and cleaning of seeds along with dry charcoal at 80:20 w/w ratios. Check for moisture content or weight of charcoal and dry if required. For grains, store grains in well ventilated godowns after drying proper. Spray Malathion 1% on the walls of stores.

<i>Horticulture Crops</i>			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Bhindi	Sowing		Bhindi may be sown at the spacing of 30cm x 45cm before rains and drainage system must be well constructed to avoid water logging.
Ginger & turmeric	Planting		Planting of ginger and turmeric may be done before rains and drainage system must be well constructed to avoid water logging.
Cucurbits	Transplanting to vegetative		For the crops in vegetative stage, proper staking may be done to avoid plants to have direct contact with soil especially during rainy days. Avoid water logging.
Onion	Harvesting		- Onion bulbs may be harvested before rains and spread in the shed, let it dry for about 7-10 days without cutting the leaves to hasten the maturity. After this, cut the leaves and roots, injured and damaged ones may be sorted out and graded.
Colocasia	Land preparation for planting		- Prepare land for planting colocasia after rains.
Tomato	Fruiting to harvesting		Avoid water logging. Harvest mature fruits before rains.

<i>Animal Sciences</i>			
* Repair the sheds of birds and animals to protect from strong winds and rains.			
* Disinfect the farm premises of all livestock/ poultry (surrounding area of 3ft width) using the repellent agent/ insecticides spray after rains.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ Duck)	All age groups	• Ranikhet disease	• Strongly advised to vaccinate against Ranikhet disease. Vaccinate the flock using Lasota strain vaccine through ocular route if the age of chick is less than 21 days and through nasal route if it is older than 21 days.
		• Coccidiosis	• Give Amprolium @ 2 gms/ litre of drinking water for 5-7 days.



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Sheep/ Goat	All age groups	• Vaccination	• If the animals have not been vaccinated against F.M.D., B.Q., H.S., Enterotoxaemia, etc. do it in this month.
		• Management	• Fly repellent must be used in the premises of the sheds. • Protect from thunder showers. • Protect from after winds (loo).
Pig	All age groups except the young ones	• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD and Swine Fever.
		• Skin disease	• Sprayer of <i>Anti-Psoroptic</i> may be used.
		• Management	• Breeding must be advocated continuously. • Protect from thunder showers especially during night.
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. • Cases of H.S. may be encountered during this period • Immediate treatment using appropriate drugs with the help of Consultant must be advocated to safe the animals.
		• Deworming	• De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight.
		• Care & Management	• Mixture of mineral/ salts should be added in the feed/water to avoid loss of essential body salts.
			• Avoid the cattle from chiting/ biting by flies. Adopt tick control measures • Adequate care must be ensured for protecting from untimely strong rain/wind
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