



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

**MANIPUR BULLETIN****29th September, 2017****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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Imphal West (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 27 - 28 °C & minimum temp. 21 - 22 °C. Relative humidity may reach up to 97 % (max RH) & 83 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kannu chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

(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****29th September, 2017****Senapati**

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Senapati (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 26-27 °C & minimum temp. 20 - 21 °C. Relative humidity may reach up to 95 % (max RH) & 86 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @ 7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kannu chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

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



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“Gramin Krishi Mausam Seva”

**MANIPUR BULLETIN****29th September, 2017****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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Tamenglong (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 28-29 °C & minimum temp. 20-21 °C. Relative humidity may reach up to 98 % (max RH) & 77 % (min RH). The average wind speed may be 0-2 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @ 7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

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



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“Gramin Krishi Mausam Seva”

**MANIPUR BULLETIN****29th September, 2017****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 30th September to 4th October, 2017 as below:

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Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
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Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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.
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Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

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Manipur Centre, Lamphelpat, Imphal - 795 004

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



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“Gramin Krishi Mausam Seva”

**MANIPUR BULLETIN****29th September, 2017****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 30th September to 4th October, 2017 as below:

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Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it mav help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @ 7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kannu chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

(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****29th September, 2017****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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Bishnupur (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 28-29 °C & minimum temp. 21-22 °C. Relative humidity may reach up to 98 % (max RH) & 86 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @ 7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kannu chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

(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****29th September, 2017****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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Chandel (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 28-29 °C & minimum temp. 21-22 °C. Relative humidity may reach up to 97 % (max RH) & 90 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @ 7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kanna chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

(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****29th September, 2017****Churachandpur**

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017) Observed mainly overcast sky and 53.7 mm rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.	Weather forecast for next five days of Churachandpur (30th September to 4th October, 2017) Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 27-28 °C & minimum temp. 21-22 °C. Relative humidity may reach up to 99 % (max RH) & 86 % (min RH). The average wind speed may be 0-2 km/hr.
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Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it mav help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kannu chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

(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****29th September, 2017****Imphal East**

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 30th September to 4th October, 2017 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (26th to 28th September, 2017)

Observed mainly overcast sky and **53.7 mm** rainfall was recorded during past three days. Maximum temperature range of 25.4 to 28.9 °C and minimum temperature range of 21.0 to 21.9 °C with mean relative humidity 96.7 % max and 85.3 % min was recorded in the past three days.

Weather forecast for next five days of Imphal East (30th September to 4th October, 2017)

Likely to have rains during next five days with mainly cloudy to overcast sky and maximum temp. 27 - 28 °C & minimum temp. 21 - 22 °C. Relative humidity may reach up to 97 % (max RH) & 90 % (min RH). The average wind speed may be 2-4 km/hr.

Field Crops			
Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Rice	Grain filling to maturity		- Drain out excess water and maintain at the level of 5-8cm if accumulate due to rains. Regular monitoring of pest and disease infestation is essential.
		Neck Blast	- Spray Tricyclazole @ 6g/10 litres of water.
		Aphid, mealy bugs	- Spray Fipronil @ 2g/15 litres or Imidachloprid 17.8 SL @ 7 ml/ 15 litres of water.
		Plant hopper	- Spray Imidachlorpid @7 ml/ 15 lit of water.
Soybean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Groundnut	Maturity stage		Harvesting may be done. For seed purpose, bundling should be done and kept for 3-4 days to increase maturity.
Blackgram & Rice bean	Maturity stage		Harvesting may be done when the pods turns yellow. After harvesting, seeds should be dried to attain required moisture content for storage.
Seeds storage	Post harvest management		- For seed purpose dry, clean and store the seeds in RC-seed bins after proper drying of seeds along with charcoal at 80:20. 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
Cabbage/ Broccoli/ Cauliflower	Nursery		- Nursery site should be fertile, well drained, with no water logging. - Provide shift arrangement like temperory rain shelter made up of polythene/ tin/ paddy straw. Temporary roof of the nursery bed should be in the slanting position (6 feet in the East and 4 feet in the west at a height of 4 feet. - Apply Captan 50 WP@ 5g/m ² after preparation of the nursery bed. After application keep it covered for at least 24-48 hours.
Onion	Sowing/ planting		- Land preparation for sowing of onion (nursery) in the upland areas may be done. Nursery area should be fertile, well drained, with no water logging.
French Bean & Broad bean	Land preparation		- Sowing of pea/ French bean may be done in the plot where colocasia/ cucurbits, etc. had been harvested and where there is proper drainage facility. Recommended varieties for French bean are – Pant Anupam, Anupam (to be planted at a spacing of 30cm x 45cm) and Tangkhul Hawai (local) (to be planted at a spacing of 30cm x 60cm with 2-3 seeds per hill). For broad bean, plant local variety at a spacing of 30cm x 45cm.
Potato	Land preparation and seed collection		- Land preparation for planting potato for early crop and also for production of seed may be started after the rains in foothills and upland area. - Select the area with fertile and sandy loam soil rather than with stone and gravel. - Collect disease free tuber seed for planting.
Ginger/ Turmeric	Rhizome formation	Leaf blotch & Leaf Spot	- To prevent occurrence/ spreading of leaf blotch and leaf spot, spray Carbendazim + Mencozeb @ 2g/ litre of water at 7-10 days interval.
		Soil nutrition management	- Apply Phosphate solubilizing bacteria @ 3-5kg/ acre (1.6 sangam) with soil to improve soil fertility.
Animal Sciences			
- Provide clean drinking water to birds and animals. Avoid water logging around the sheds as it may help in mosquito breeding.			

**ICAR Research Complex for N.E.H. Region**

Manipur Centre, Lamphelpat, Imphal - 795 004

“Gramin Krishi Mausam Seva”

- Take up measures to reduce flies and mosquitoes population in and around the birds/ animals sheds.			
Name of bird/ animal	Stage	Disease and Management	Agro-meteorological advisories
Poultry (Chicken/ / Duck)	All age groups	• Deworming	• Albendazole liquid @ 20-40 ml for 100 adult birds and repeat it next day with half of the dose in empty stomach
		• Litter Management	• Use dry litter material in the shed; • if there is moisture, apply lime powder @ 1kg per 100 ft ² area • Litter may be come wet due to sudden and unexpected rain during this time, wet litter must be replaced immediately
Sheep/ Goat	All age groups	• Vaccination	• Vaccinate against B.Q./ H.S. this time
		• De-worming	• Administer Tolzan-F @ 2.5ml orally/ 50kg b. wt.
Pig	All age groups except the young ones	• Coccidial infection (Diarrhea)	• Ofloxacin/ Ornidazole (O ₂) tab twice daily for 5 days.
		• De-worming	• De-worm with Albendazole @7.5 mg/kg b.wt.
		• Vaccination	• Vaccinate against FMD.
		• Skin disease	• Sprayer of Anti- <i>Psoroptic</i> may be used
Cattle	All age groups excepts the young ones	• Vaccination	• Vaccinate against B.Q., F.M.D. & H.S. • 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	• Avoid the cattle from chiting/biting by Flies • Adopt tick control measures
		• Milk fever in Milch cow	• 70-100ml of a mixture of Ca+ and Phosphorus daily @ 5-7days.

SMS:

Lakliba Sagolsheldagi mafam kharada nong kannu chuba yai. Loufamda ishing kuina thumjinlaga leitanaba iram-nala ningthina semjinbiyu. Sha-uchekki thaknaba ishing aruba pibiyu. Shan-eroida til leitanaba masagi arumba kg 100 khudingda 20-30 ml Albomac suspension pibiyu.

(I. Meghachandra Singh)
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