



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



“Gramin Krishi Mausam Seva”

MANIPUR BULLETIN

28th April, 2015

Chandel

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Chandel (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 24.0 – 28.0 °C & minimum temp. 13.0 – 16.0 °C. Relative humidity may reach upto 94 % (max RH) & 60 % (min RH). The average wind speed may be 3-5 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets

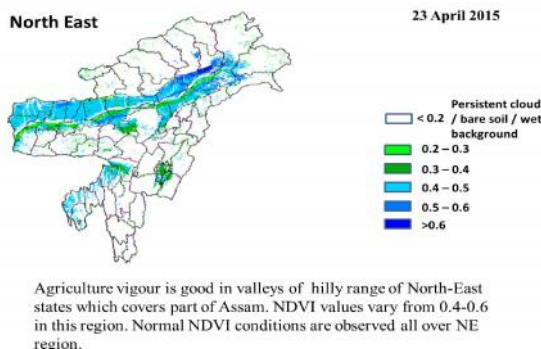


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			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fisheries			
* 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 well balanced feed and good quality water			



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



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“Gramin Krishi Mausam Seva”

MANIPUR BULLETIN

28th April, 2015

Churachandpur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Churachandpur (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 26.0 – 29.0 °C & minimum temp. 15.0 – 17.0 °C. Relative humidity may reach upto 98 % (max RH) & 77 % (min RH). The average wind speed may be 2-4 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets



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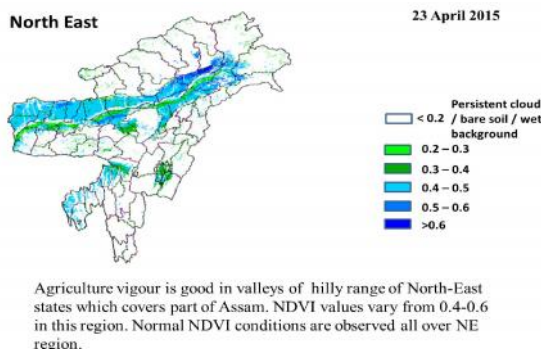
			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.

Fisheries

- * 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 well balanced feed and good quality water



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MANIPUR BULLETIN

28th April, 2015

Imphal-East

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Imphal- East (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 25.0 – 27.0 °C & minimum temp. 14.0 – 15.0 °C. Relative humidity may reach upto 99 % (max RH) & 56 % (min RH). The average wind speed may be 0-4 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets

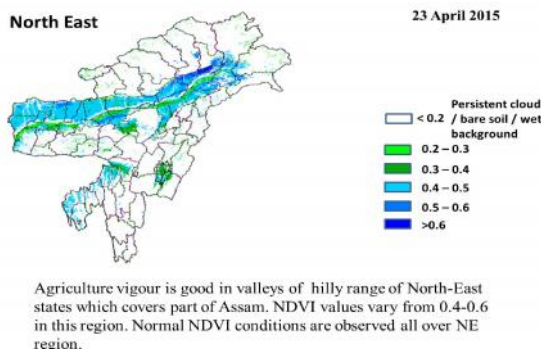


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Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fisheries			
* 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 well balanced feed and good quality water			



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28th April, 2015

Imphal-West

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Weather forecast for next five days of Imphal- West (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 25.0 – 28.0 °C & minimum temp. 13.0 – 18.0 °C. Relative humidity may reach upto 99 % (max RH) & 61 % (min RH). The average wind speed may be 0-3 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets

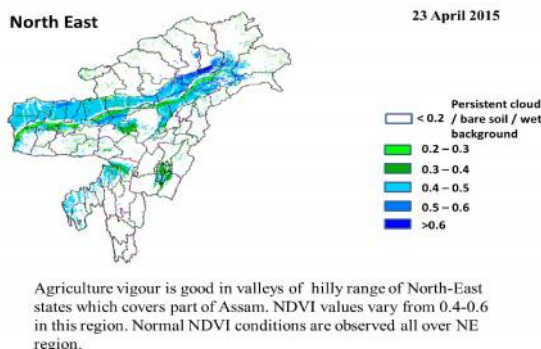


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Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
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MANIPUR BULLETIN

28th April, 2015

Senapati

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

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Weather forecast for next five days of Senapati (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 25.0 – 27.0 °C & minimum temp. 11.0 – 15.0 °C. Relative humidity may reach upto 97 % (max RH) & 49 % (min RH). The average wind speed may be 0-4 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets

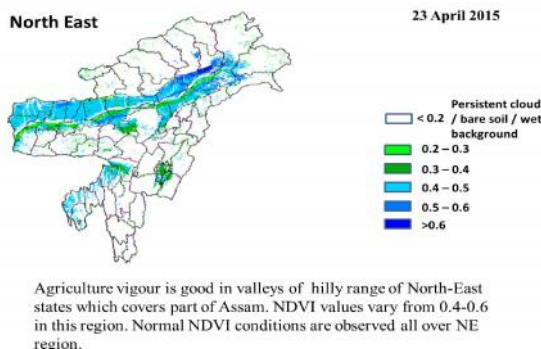


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Manipur Centre, Lamphelpat, Imphal - 795 004**



“Gramin Krishi Mausam Seva”

			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fisheries			
* 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 well balanced feed and good quality water			



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



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Manipur Centre, Lamphelpat, Imphal - 795 004**



“Gramin Krishi Mausam Seva”

MANIPUR BULLETIN

28th April, 2015

Tamenglong

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Tamenglong (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 25.0 – 27.0 °C & minimum temp. 12.0 – 16.0 °C. Relative humidity may reach upto 99 % (max RH) & 68 % (min RH). The average wind speed may be 2-3 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets



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“Gramin Krishi Mausam Seva”

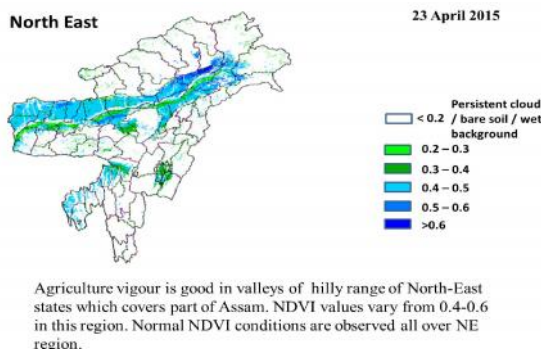
			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.

Fisheries

- * 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 well balanced feed and good quality water



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“Gramin Krishi Mausam Seva”

MANIPUR BULLETIN

28th April, 2015

Thoubal

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Thoubal (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 25.0 – 28.0 °C & minimum temp. 14.0 – 16.0 °C. Relative humidity may reach upto 97 % (max RH) & 66 % (min RH). The average wind speed may be 2-4 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets



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“Gramin Krishi Mausam Seva”

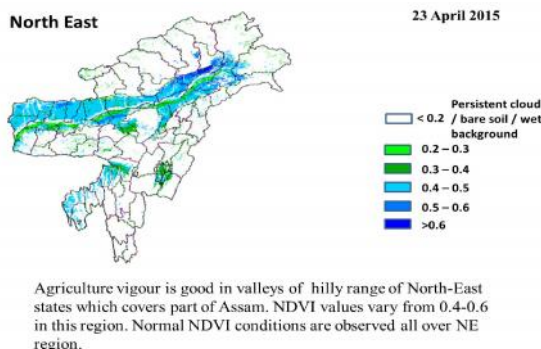
			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.

Fisheries

- * 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 well balanced feed and good quality water



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“Gramin Krishi Mausam Seva”

MANIPUR BULLETIN

28th April, 2015

Ukhrul

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Ukhrul (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 24.0 – 27.0 °C & minimum temp. 11.0 – 14.0 °C. Relative humidity may reach upto 92 % (max RH) & 50 % (min RH). The average wind speed may be 3-4 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets

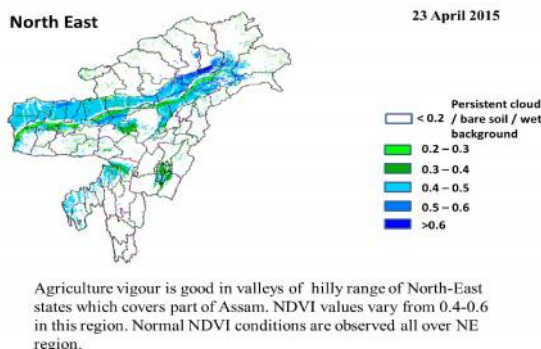


**ICAR Research Complex for N.E.H. Region
Manipur Centre, Lamphelpat, Imphal - 795 004**



“Gramin Krishi Mausam Seva”

			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.
Fisheries			
* 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 well balanced feed and good quality water			



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“Gramin Krishi Mausam Seva”

MANIPUR BULLETIN

28th April, 2015

Bishnupur

IAAS, ICAR-RC Manipur Centre in association with India Meteorological Department, Regional Meteorological Centre, Guwahati and Northern Hemisphere Analysis Centre, New Delhi, Ministry of Earth Science, Govt. of India reports the weather forecasts for the next five days, i.e., from 29th April to 3rd May, 2015 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 27th April, 2015)

During last four days sky was partly cloudy to cloudy. **42.2 mm** rainfall was recorded during last four days. Maximum temperature range observed was 21.6 – 27.7 °C, range of minimum temperature observed was 16.0 – 17.0 °C, mean relative humidity observed in morning and afternoon were 95.0 % and 76.5 % respectively. The average wind speed range was 0.9 – 2.1 km/hr.

Weather forecast for next five days of Bishnupur (29th April to 3rd May, 2015)

There may be light to moderate rain upto Sunday. Sky will be partly cloudy to cloudy with maximum temp. of 25.0 – 28.0 °C & minimum temp. 14.0 – 17.0 °C. Relative humidity may reach upto 98 % (max RH) & 69 % (min RH). The average wind speed may be 2-4 km/ hr during next five days. Likely to have thunderstorm accompanied with hail/ squall at isolated places on 29th & 30th April.

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
* Harvest rain water. * Construct proper drainage system in and around the crop field.			
Pre-kharif Rice	Tillering to panicle initiation stage		- After first top-dressing one or two prophylactic sprays in sunny days may be done with 300-400 ml phosphamidon(40%EC), 300g Carbendazim and 20g Streptocycline diluted in 400-500 litres of water to protect the crop from most of the pest and disease. - After 45 days of transplanting (panicle initiation stage), apply 33kg Urea/ ha.
Kharif Rice	Land preparation for nursery		- For main kharif season the soil may be opened with tillers or disc ploughs. Seeds may be procured.
Rabi Maize	Silking to cob formation stage		- Drain out excess rain water if accumulated due to rain in crop field. - Land ploughing for kharif maize may be started.
Soybean	Land preparation to sowing		Seed rate is 40-45 kg/ha or 10-11.3 kg of seed /sangam and the recommended variety is J.S.335. Sowing may be done at spacing of 45cm x 30cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Groundnut	Land preparation to sowing		Seed rate is 100 – 110 kg/ha and the recommended varieties are ICGS-75 & JL-24. Sowing may be done at spacing of 30cm x 15cm. - Treat seeds with Bavistin@2.5g/kg seed or with Captan/ Thiram.
Storage (seed)			- Dry, clean and store the seeds in RC-seed bins after proper drying of seeds and charcoal. Check for moisture content or weight of seeds. After proper drying, store grains/ seeds in well ventilated godowns.
Horticulture Crops			
Cucurbits	Vegetative to flowering and fruiting		- Construct proper staking system to support plant and avoid fruits to touch soil. - Rotting of young fruits/ premature ripening of fruits if observed then Methyl Eugenol or Beculure may be used as pheromone trap for fruit fly also insecticides like Cypermethrin may be sprayed.
Colocassia	Planting		- Select upland/ slope area to avoid water stagnation during rainy days. Make it a weed free plot. - Apply 25-30t FYM/sangam (@5-6 cartloads) during final land preparation or 10-20 days before transplanting. Incorporate the soil with ¾ of N, full dose of P and K (39kg Urea, 125kg SSP and 40kg MOP) per sangam. Remaining 13 kg Urea should be applied as top dress during earthing-up (shallow hoeing). - Use disease free quality planting material. Treat the corm/ cormets



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“Gramin Krishi Mausam Seva”

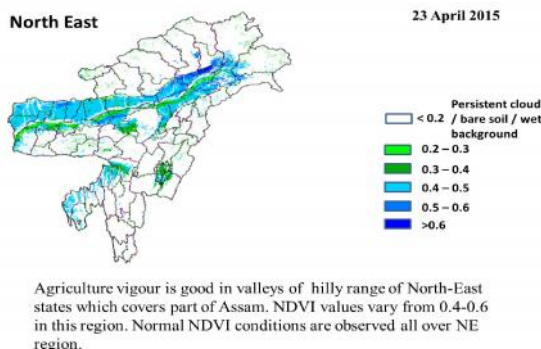
			with either Carbendazim@ 2g/ kg seed or with Sixer (Carbendazim + Mencozeb) @2g/ kg seed. - 30-50g seed size may be sown at a spacing of 30-45cm seed to seed and 45-60cm row to row. Depth of the planting should not be more than 8cm.
Bhindi/ French bean	Vegetative		- Weeding may be done. - Avoid water logging.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups		- Culling of birds within 1km will be taken up by the Vety. Department and within 10 km surveillance will be done. - Bleaching powder may be spread near farm premises.
Sheep/ Goat	Above 3 months of age (as and when required)	Black Quarter/ Haemorrhagic Septicaemia and F.M.D.	Vaccinate against B.Q./ H.S. and FMD using proven vaccine of the diseases mentioned.
Cattle / Buffalo/ Mithun	Above 3 months of age (as and when required)	Skin infections	- Use Butox liq. @ 2ml/ litres of water and brush the animal using the solution at 15 days interval. * For Mithun, give Ivermectin @ 200 mg per kg body weight at the time of salt feeding.
		Black Quarter/ Haemorrhagic Septicaemia	Vaccinate against B.Q./ H.S. using proven vaccine of the diseases mentioned.
		F.M.D.	- Vaccinate against F.M.D.

Fisheries

- * 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 well balanced feed and good quality water



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