

Imphal West

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Imphal West (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain variable to mainly cloudy, with maximum temp. 26.0 to 30.0 °C & minimum temp. 17.0 to 18.0 °C. Relative humidity may reach upto 99 % (max RH) & 45 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be North Easterly to Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Senapati (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain variable to mainly cloudy, with maximum temp. 25.0 to 29.0 °C & minimum temp. 18.0 to 19.0 °C. Relative humidity may reach upto 97 % (max RH) & 44 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be Easterly to North-Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Tamenglong (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain variable to mainly cloudy, with maximum temp. 26.0 to 30.0 °C & minimum temp. 18.0 to 19.0 °C. Relative humidity may reach upto 99 % (max RH) & 46 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be North Easterly to South South-Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

Thoubal

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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
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		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Ukhrul (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain mainly cloudy, with maximum temp. 26.0 to 30.0 °C & minimum temp. 18.0 to 20.0 °C. Relative humidity may reach upto 95 % (max RH) & 46 % (min RH). The average wind speed may be 2-3 km/hr. Wind direction may be South South Easterly to North West Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days. ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Bishnupur (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain variable to mainly cloudy, with maximum temp. 25.0 to 29.0 °C & minimum temp. 18.0 to 19.0 °C. Relative humidity may reach upto 98 % (max RH) & 49 % (min RH). The average wind speed may be 2-4 km/hr. Wind direction may be North-east Easterly to Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Chandel (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain variable to mainly cloudy, with maximum temp. 26.0 to 29.0 °C & minimum temp. 18.0 to 19.0 °C. Relative humidity may reach upto 95 % (max RH) & 48 % (min RH). The average wind speed may be 2-4 km/hr. Wind direction may be South-east Easterly to Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Churachandpur (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain mainly cloudy, with maximum temp. 26.0 to 30.0 °C & minimum temp. 18.0 to 19.0 °C. Relative humidity may reach upto 98 % (max RH) & 47 % (min RH). The average wind speed may be 2-4 km/hr. Wind direction may be Easterly to Southerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

(I. Meghachandra Singh)

Scientist i/c, IAAS

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 28th May to 1st June, 2016 as below:

Significant past weather for the preceding bi-weekly of Imphal - West (24th to 26th May, 2016) The sky was fair to mainly cloudy. Rainfall of 32.2 mm was recorded during past three days. Maximum temperature range observed was 29.1 to 31.8 °C, range of minimum temperature observed was 21.6 to 24.1 °C, mean relative humidity observed in morning and afternoon were 92.3 % and 69.0 % respectively. The average wind speed range was 3.9 to 5.3 km/hr.	Weather forecast for next five days of Imphal East (28th May to 1st June, 2016) Likely to have light rain upto Wednesday. Sky will remain variable to mainly cloudy, with maximum temp. 26.0 to 29.0 °C & minimum temp. 18.0 to 19.0 °C. Relative humidity may reach upto 99 % (max RH) & 46 % (min RH). The average wind speed may be 3-4 km/hr. Wind direction may be North Easterly to North North-Westerly during the next five days.
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Weather outlook for subsequence 2 days from 1st to 3rd June, 2016

Rain/thunderstorm likely at many places over northeastern states

Weather warning during next 5 days *

Thunderstorm accompanied with squall very likely at isolated places over Manipur on 28th May, 2016

Name of the crop	Stage	Pest and disease	Agro-meteorological advisories
Field Crops			
Early kharif rice	Booting-Flowering		➤ Drain out the field in flooded areas.
Main kharif rice	Land preparation for sowing		Prepare 700m ² of land for transplanting one hectare area. Soak seed overnight and incubate for 1 day.
Groundnut	Sowing in upland		➤ Seed rate is 100-110 kg of Kernel/ha and the recommended varieties are ICGS-76 and JL-24. Sowing may be done at spacing of 30 cm x 15 cm after rains. It is recommended to apply 44 kg of urea, 375kg of DAP and 67 kg of MOP per ha as a basal application during final ploughing or incorporated at the time of sowing. ➤ Drain out excess water.
Blackgram	Land preparation to sowing		➤ Seed rate of 10-15 kg/ hectare may be sown by broadcasting or dibbling after rains. Treat the seed with Thiram or Captan @3 kg/ha. ➤ Drain out the field
Rabi Maize	Cob formation	Stem borer	➤ To control the infestation of stem borer, apply few granules of Carbofuran 3G at maize whorl. ➤ Drain out the field
Horticulture Crops			
Cucurbits (Water-melon, pumpkin, bitter gourd, etc.)	Immediate harvest		➤ Crops under water should be harvested immediately
Papaya, tree bean, mango	Transplanting		➤ As most of the valley land is wet due to incessant rain, it will be wise to transplant papaya plant/tree bean/ mango and other fruit plants in the upland areas provided already quality planting material is available 1. For papaya: at least 2-3 months old seedling 2. Tree bean: more than 1 year old 3. Mango: more than 1 year old seedling/ grafted
Other vegetable crops	Weeding		➤ As soon as the field condition permits, weeding should be done for the standing crops which is not affected by flood

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Poultry (Chicken/ Turkey/ Duck)	All age groups	Care & management	➤ Mix lime powder@2-3 kg in litter by stirring properly. ➤ If necessary, lime Amproline Powder @2gm in 1 liter of drinking water x 5-7 days ➤ Give oral Rehydrate Soln/Electrolytes if heat wave increases during day time to reduce mortality due to heat. ➤ Protect from dust storms/unexpected thunder showers.
Sheep/ Goat	All age groups excepts the young ones	Care & management	➤ Sheep can be sheared during this month. ➤ Shearing of furs should be done.
		De-worming	➤ Pepirazine compound- 100mg/kg orally for 3 days.
		Skin Diseases	➤ Use dentox solution, @2ml/liter of water and brush by using soft brush once a week

		Ectoparasitism	<ul style="list-style-type: none"> ➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. ➤ Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
Pig	All age groups excepts the young ones	Deworming	➤ Give Morantel citrate tablet @ 15 mg/kg of body weight.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Hog Cholera	➤ Vaccination against swine fever must be carried out.
Cattle	All age groups excepts the young ones	B.Q./ H.S/FMD	➤ If the animals have not yet been vaccinated, give vaccine, now for Black Quarter, Haemorrhagic septicaemia, Foot & mouth Disease.
		Ectoparasitism	➤ Keep the sheds clean. Hang Bouquets of Basil (<i>Ocimum sanctum</i>) or Lemon Grass (<i>Cymbopogon citrates</i>) in the animals sheds to keep away the ecto-parasites. Neem oil based disinfectants can be sprayed. Butox solution (2 C.C. in 1 litre of water) can also be used.
		Endoparasites	➤ Deworm orally once using Nilzan-F @ 90ml/ 300 kg body weight.
		Care & management	<ul style="list-style-type: none"> ➤ Keep the animal indoor ➤ Do not allow grazing in rain ➤ Enhance energy feed ➤ Mix enough quantity salts in feed and water
		Puerperal Fever in Pregnant animals	➤ 50-60 gram of mineral mixture every day.
		Decrease in milk production	<ul style="list-style-type: none"> ➤ The milk & urine samples must be sent for testing. ➤ Protect the animals from afternoon winds(loo)
	Breedable age group	Controlled breeding	➤ Control breeding programme for animals should continue in the month of February so the all participating animals become pregnant during this month.
	Milch cow	Mastitis	➤ To prevent mastitis they should be milked completely.
Fishery:			
Type of Farming	Stage	Management	Agro-metrological advisories
Carp culture	Fries/ fingerlings/ brooders	Pond and water	➤ Pond water should be maintained clean.
		For quality fish seed production	<ul style="list-style-type: none"> ➤ Only matured and ripe brooders should be selected for breeding. ➤ Single dose hormone injection of Ovaprim/Ovatide/Wova-Fh @0.5 ml/kg body weight for female brooders and @0.2 ml/kg body weight for female brooder.
		Feed	Provide feed 1-2 times @ 3 % body weight per day.
		Fish	➤ Male and female brooders should be stock in separate ponds for breeding programs for IMC's & indigenous Carps.

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