



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



**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

***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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Bishnupur (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 30.0 - 33.0 °C and minimum temp. of 19.0 – 22.0 °C. The maximum RH is likely to attain max of 99 % and minimum RH of 71 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Condition are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <b>Swine Fever</b> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
 Scientist i/c, IAAS



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**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Chandel (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to cloudy with maximum temp. of 30.0 - 34.0 °C and minimum temp. of 19.0 – 23.0 °C. The maximum RH is likely to attain max of 98 % and minimum RH of 66 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Condition are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
 Scientist i/c, IAAS



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**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Churachandpur (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 30.0 - 35.0 °C and minimum temp. of 20.0 – 23.0 °C. The maximum RH is likely to attain max of 99 % and minimum RH of 73 %. The average wind speed during next five days may reach upto max. value of 3 km/hr.</p>
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**Monsoon Watch**

Conditions are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
 Scientist i/c, IAAS





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**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Senapati (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 28.0 - 31.0 °C and minimum temp. of 18.0 – 21.0 °C. The maximum RH is likely to attain max of 97 % and minimum RH of 65 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Conditions are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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**“Integrated Agromet Advisory Services”**

<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
 Scientist i/c, IAAS





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**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

***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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Tamenglong (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 30.0 - 34.0 °C and minimum temp. of 18.0 – 22.0 °C. The maximum RH is likely to attain max of 99 % and minimum RH of 68 %. The average wind speed during next five days may reach upto max. value of 3 km/hr.</p>
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**Monsoon Watch**

Condition are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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



**“Integrated Agromet Advisory Services”**

<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
 Scientist i/c, IAAS



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



**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Thoubal (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 29.0 - 33.0 °C and minimum temp. of 20.0 – 23.0 °C. The maximum RH is likely to attain max of 99 % and minimum RH of 72 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Condition are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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



**“Integrated Agromet Advisory Services”**

<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
Scientist i/c, IAAS



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



**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Ukhrul (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 27.0 - 31.0 °C and minimum temp. of 17.0 – 20.0 °C. The maximum RH is likely to attain max of 98 % and minimum RH of 63 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Conditions are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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



**“Integrated Agromet Advisory Services”**

<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

I. Meghachandra Singh  
 Scientist i/c, IAAS





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



**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Imphal - East (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 29.0 - 32.0 °C and minimum temp. of 17.0 – 21.0 °C. The maximum RH is likely to attain max of 99 % and minimum RH of 68 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Condition are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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



**“Integrated Agromet Advisory Services”**

<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

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 Scientist i/c, IAAS



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



**“Integrated Agromet Advisory Services”**

**MANIPUR BULLETIN**

**14<sup>th</sup> June, 2013**

**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 15<sup>th</sup> to 19<sup>th</sup> June, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (11<sup>th</sup> to 13<sup>th</sup> June, 2013)</u></p> <p>During the past three days the sky was mainly clear to partly cloudy but cloudy during morning hours of 13<sup>th</sup> June. 0.2 mm rainfall was recorded during past three days. Maximum temperature range observed was 31.5 – 32.7 °C, range of minimum temperature observed was 19.0 – 21.0 °C, mean relative humidity observed in morning and afternoon were 77.3 and 55.0 % respectively. The average wind speed range was 3.0 – 4.8 km/hr.</p>	<p><u>Weather forecast for next five days of Imphal - West (15<sup>th</sup> to 19<sup>th</sup> June, 2013)</u></p> <p>It is likely to have light to moderate rains during next five days. The sky is likely to be partly cloudy to mainly cloudy with maximum temp. of 30.0 - 33.0 °C and minimum temp. of 18.0 – 22.0 °C. The maximum RH is likely to attain max of 99 % and minimum RH of 67 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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**Monsoon Watch**

Condition are favourable for further advanced of southwest monsoon into some more parts of Rajasthan; remaining parts of Madhya Pradesh, Jharkhand and West Bengal & Sikkim and some parts of Bihar and east Uttar Pradesh during next 48 hours.

**Weather Forecast for next 3 days (upto 0830 hours IST of 17<sup>th</sup> June, 2013)**

Rain/thundershowers would occur at few places over northeastern states

**Weather Outlook for subsequent 4 days from 17<sup>th</sup> to 21<sup>st</sup> June, 2013**

Rain/thundershowers would occur at few places over northeastern states

Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<b>Field Crops</b>			
<b>Rice</b>	(Pre-kharif) Grain filling		- Maintain water depth of 5-8 cm.
	(Kharif) Nursery		- Maintain water level just to submerge soil and expose green sprouts. - Land may be ploughed and puddle thoroughly for transplanting. Submerge the soil for about 15-20 days before transplanting to obtain a weed free plot.
<b>Maize</b>	Cob formation (Summer maize)		- Weeding may be done. - Maintain proper drainage system to avoid water logging in and around the crop field.
<b>Soybean / Groundnut</b>	Early vegetative		- Surrounding area must be kept clean atleast upto 60 days after sowing to avoid leaf eating caterpillars/ insects. - Also, avoid water logging.
<b>Blackgram</b>	Sowing		- Sowing may be done by broadcasting or dibbling at a spacing of 15 x 30 cm. Treat the seed with Thiram or Captan.
<b>Storage</b>			- Clean and store the seeds in RC-seed bins after proper drying. Check for germination of seeds or fungal growth.
<b>Horticulture Crops</b>			
<b>Ginger/ Turmeric</b>	Vegetative		- Weeding as well as earthing up may be done. - Crops that were planted in the month of March may be top dressed with 25kg DAP + 10 Kg MOP/ sangam in upland areas.
<b>Chilli</b>	Fruiting to harvesting		Healthy mature fruits may be collected for seeds. Before storing, it must be sun dried and then kept in shed. Store in air tight container.
<b>French Bean</b>	Fruiting to harvesting		- Keep the surrounding area clean to avoid hairy caterpillar. -Earthing up of soil is necessary for crops in initial fruiting stage



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



**“Integrated Agromet Advisory Services”**

<b>Fruit plants like Orange, Lime, Lemon, Litchi, etc./ Tree bean</b>	Preparation of pit for planting		- Prepare the pit of size 2x2x2 ft for planting of these fruit plants. Use FYM and before planting, soil drenching should be done to protect from soil borne diseases. Use healthy planting material.
<b>Animal Sciences</b>			
* Use water sanitizer to keep clean drinking water for animals especially during rainy days.			
<b>Name of the animal</b>	<b>Growth stage</b>	<b>Disease/ infestation</b>	<b>Agro-meteorological advisories</b>
<b>Pig</b>	Above 3 months of age	- Swine Fever	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Vaccinate with <i>Swine Fever</i> vaccine as per prescribed dose but de-worm using Panacur tab @ 1.5mg/10kg body weight before vaccination.
<b>Goat</b>	All age groups except three months or below	- Fascioliosis	- Give Tolzan-F 15ml orally/ 300kg b. wt. It must be associated with vitamins like Livozyme @ 50ml twice daily.
<b>Cattle / Buffalo/ Mithun</b>	All age groups except three months or below	Hump sore	- Apply Butox @ 3ml/lit of water while brushing the animals. - Standard systemic insecticide may be sprayed around the shed to control mosquitoes and flies. - Wash the sore with Hydrogen peroxide or Potassium permanganate and apply Himax ointment twice daily. - In severe case, inject Dicrysticin LA once daily intramuscularly for 5 days. - Muddy water should not be given to animals as soil borne diseases like Black Quarter/ Black Leg outbreak may occur.
<b>Poultry</b>	All susceptible age groups	<b>Coccidiosis</b>	- Poultry must be provided <i>Coccimar</i> (@ 1g/lit of drinking water) for 7 days.
		<b>Pox</b>	- Vaccinate against pox.
		Management	- Mix lime powder @ 2 kg per 100 sq. ft. area in litter material. - Cover side walls of poultry sheds with polythene sheet to protect from rain.

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 Scientist i/c, IAAS