



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Bishnupur (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 29.0 - 33.0 °C. The minimum temp. is likely to be 11.0 – 14.0 °C. The maximum RH is likely to attain a max value of 78 %. Minimum RH is likely to reach a max of 51 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<i>Field Crops</i>			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
<i>Horticulture Crops</i>			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry	All susceptible age groups	Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
		Coccidiosis	- Poultry must be provided Coccidiostal drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days

Fisheries

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

AMFU- Imphal Unit



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MANIPUR BULLETIN

15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Chandel (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 31.0 - 34.0 °C. The minimum temp. is likely to be 12.0 – 15.0 °C. The maximum RH is likely to attain a max value of 61 %. Minimum RH is likely to reach a max of 39 %. The average wind speed during next five days may reach upto max. value of 6 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry	All susceptible age groups	Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
		Coccidiosis	- Poultry must be provided Coccidiostats drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days

Fisheries

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovotide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

AMFU- Imphal Unit



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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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Churachandpur (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 29.0 - 32.0 °C. The minimum temp. is likely to be 10.0 – 13.0 °C. The maximum RH is likely to attain a max value of 77 %. Minimum RH is likely to reach a max of 51 %. The average wind speed during next five days may reach upto max. value of 6 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry	All susceptible age groups	Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
		Coccidiosis	- Poultry must be provided Coccidiostats drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days

Fisheries

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovotide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

AMFU- Imphal Unit



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15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Imphal - East (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 29.0 - 32.0 °C. The minimum temp. is likely to be 10.0 – 13.0 °C. The maximum RH is likely to attain a max value of 81 %. Minimum RH is likely to reach a max of 46 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
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		Coccidiosis	- Poultry must be provided Coccidiostal drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days

Fisheries

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

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15th March, 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 16th to 20th March, 2013 as given below:

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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
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Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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“Integrated Agromet Advisory Services”

Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry		Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
	All susceptible age groups	Coccidiosis	- Poultry must be provided Coccidiostats drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days
Fisheries			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovotide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

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MANIPUR BULLETIN

15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Senapati (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 28.0 - 31.0 °C. The minimum temp. is likely to be 9.0 – 12.0 °C. The maximum RH is likely to attain a max value of 82 %. Minimum RH is likely to reach a max of 51 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry	All susceptible age groups	Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
		Coccidiosis	- Poultry must be provided Coccidiostats drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days

Fisheries

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovotide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

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“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Tamenglong (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 30.0 - 33.0 °C. The minimum temp. is likely to be 11.0 – 14.0 °C. The maximum RH is likely to attain a max value of 68 %. Minimum RH is likely to reach a max of 51 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
<i>Field Crops</i>			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
<i>Horticulture Crops</i>			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry		Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
	All susceptible age groups	Coccidiosis	- Poultry must be provided Coccidiostats drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days
Fisheries			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovotide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

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MANIPUR BULLETIN

15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Thoubal (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 29.0 - 32.0 °C. The minimum temp. is likely to be 11.0 – 13.0 °C. The maximum RH is likely to attain a max value of 77 %. Minimum RH is likely to reach a max of 47 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Tomato/ Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Potato	Tuber development		- Light irrigation may be given.

Animal Sciences

Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry	All susceptible age groups	Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
		Coccidiosis	- Poultry must be provided Coccidiostats drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days

Fisheries

Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovotide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

AMFU- Imphal Unit



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Manipur Centre, Lamphelpat, Imphal - 795 004**



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

15th March, 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 16th to 20th March, 2013 as given below:

<p><u>Significant past weather for the preceding bi-weekly of Imphal - West (12th to 14th March, 2013)</u></p> <p>During the past three days the sky was partly cloudy to mainly cloudy. 3.5 mm rainfall was recorded during past three days. Maximum temperature range observed was 26.8 – 31.1 °C, range of minimum temperature observed was 10.8 – 12.2 °C, mean relative humidity observed in morning and afternoon were 78.0 % and 43.3 % respectively. The average wind speed range was 2.6 – 2.9 km/hr.</p>	<p><u>Weather forecast for next five days of Ukhrul (16th to 20th March, 2013)</u></p> <p>There is likely to have no rain during next five days. The sky is likely to be mainly clear to partly cloudy during next five days. The maximum temp. is likely to be 28.0 - 31.0 °C. The minimum temp. is likely to be 9.0 – 11.0 °C. The maximum RH is likely to attain a max value of 60 %. Minimum RH is likely to reach a max of 43 %. The average wind speed during next five days may reach upto max. value of 6 km/hr.</p>
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Name of the crop	Stage	Pest and disease infestation	Agro-meteorological advisories
Field Crops			
Rice	Pre- Kharif rice		<ul style="list-style-type: none"> * 15 days old seedlings from dry nursery may be transplanted at a spacing of 20cm x 10cm. * In wet nursery: <ul style="list-style-type: none"> - Maintain 2-3cm water level initially and drain out completely before sowing. Then increase the water level to just submerge soil surface and expose the green aerial sprouts. - Uprooting may be done when seedlings are 30-45 days old. - Land preparation of main field for transplanting may be started.
Maize	Vegetative		<ul style="list-style-type: none"> - 60 kg of Nitrogen fertilizer per ha is recommended at the time of inter-culture operation at knee-high stage.
Rapeseed	Pod filling to maturity		<ul style="list-style-type: none"> - Mature crop (when 75% of crops turn yellow) may be harvested. After harvesting, it must be sun dried for 2-3 days and threshed. Cleaned seeds must be packed and stored in wooden rack.
Field Pea	Pod filling to maturity		<ul style="list-style-type: none"> - Pea may be harvested for use as vegetable. Healthy mature pods may be retained for seeds.
Storage			<ul style="list-style-type: none"> - Seeds must be stored in RC-seed bins after proper drying. Check for germination of seeds or fungal growth. Clean and dry the seeds.
Horticulture Crops			
Turmeric/ Ginger	Sowing		<ul style="list-style-type: none"> - Prepare the bed thoroughly. Apply 40 cartloads of FYM per sangam while preparing land. - As the weather is very dry, sowing may be done as soon as the bed is ready followed by mulching. - Maintain 3-4 inches depth while sowing. Use 25-30 gm rhizome finger with 2-3 buds may be sown. Mother rhizome can also be used as seed by cutting into pieces with 2-3 buds.
Onion/ Garlic	Bulb formation		<p>Most of crops are now in bulb initiation stage. During this stage, water is very crucial but there is likely of no rain during next five days. Hence, irrigation may be provided. Also, mulching in between rows using dried twigs/ paddy straw/ dry leaves or harvest remains of crop like cabbage/cauliflower/ pea or rapeseed is advised. Even old newspapers may be used as mulching material.</p> <ul style="list-style-type: none"> - Do not uproot plant even if 25% of the leaves have dried in those areas where there was lack of water. Mulching must be done. - Pinch off the flower bud as soon as it develops.



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Cucurbits	Transplanting to early vegetative		- Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided.
Brinjal/ Chilli	Vegetative		- Irrigate the crop field. - Inter-culture operation may be done and top dress after 30days of transplanting.
Animal Sciences			
Name of the animal	Growth stage	Disease/ infestation	Agro-meteorological advisories
Pig	Above 3 months of age	Swine Fever	- Vaccinate with Swine Fever vaccine as per prescribed dose.
Cattle / Buffalo/ Mithun	All age groups except three months or below	Black leg and Haemorrhagic Septicaemia	- Vaccination of B.Q. and H.S. polyvalent (dose as per recommendation) is advised.
Goat	All susceptible age groups	B.Q. and H.S.	- Vaccination of B.Q. and H.S. (dose as per recommendation) is advised.
Poultry	All susceptible age groups	Ranikhet	- By the end of winter and before summer sets in, birds should be vaccinated against Ranikhet Disease.
		Coccidiosis	- Poultry must be provided Coccidiostal drugs/ coximar (@ 2g/lit of drinking water) for 5 to 7 days
Fisheries			
Type of Farming	Stage	Field	Agro-metrological advisories
Carp culture	Common carp & grass carp brooders	Pond and water	Water depth should be maintained at 1.5 - 2.0 m
		Feed	Feeds should be provided 2 times a day @ 2-3% body weight per day.
		Fish	Male and female brooders should be stock in separate ponds. Brooders of 2-3 years old having more than 1kg should be selected for seed production.
		Feed	Feed should be provided @ 1-2% body weight per day. Feed can be fed 2 times a day.
	Breeding	pond	Pond should be free from insects, predators, aquatic weeds etc. Water should be clean, clear having pH, 7.0-7.5; dissolved oxygen 6-8ppm, carbon dioxide –nil. Hormone like ovaprim, ovatide or Wova-FH may be injected @ 0.5ml/kg fish for breeding in both the brooders of common carp.
	Nurseries	ponds	Water depth should be maintained at 1.0m After liming nursery ponds should be fertilized prior 15 days of spawn stocking. Feeding should be done 2-3 times a day @5-10% body weight/day.

AMFU- Imphal Unit