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EXPERIMENTAL AGROMET ADVISORY SERVICE

ICAR Research Complex for NEH Region

Manipur Centre, Lamphelpat

Imphal - 795 004

Station: Lamphelpat, Imphal

Month & Year: March, 2013

Latitude: 24° 45' N

Longitude: 93° 54' E

| Date | Temperature (°C) | | Relative Humidity (%) | | Wind Direction | | Wind Speed |
|-------------|-------------------------|-------------|------------------------------|-----------------|-----------------------|-----------------|-------------------|
| | Max. | Min. | 07 00 hrs | 13 00hrs | 07 00 hrs | 13 00hrs | km/hr |
| 03/12/13 | 26.8 | 12.0 | 85 | 59 | 35 | 280 | 2.7 |
| 03/13/13 | 28.0 | 12.2 | 84 | 42 | 25 | 275 | 2.9 |
| 03/14/13 | 31.1 | 10.8 | 65 | 29 | 95 | 270 | 2.6 |

Standard Week: 11

Altitude : 774m

| Cloud Cover (Okta) | | Rainfall (mm) |
|--------------------|----------|---------------|
| 07 00 hrs | 13 00hrs | |
| 4 | 7 | 3.5 |
| 3 | 6 | 0.0 |
| 3 | 6 | 0.0 |



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Bishnupur (13th to 17th March, 2013)</u> |
|---|---|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 – 30.0 °C. The minimum temp. is likely to be 8.0 – 12.0 °C. The maximum RH is likely to attain a max value of 71 %. Minimum RH is likely to reach a max of 36 %. The average wind speed during next five days may reach upto max. value of 6 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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



“Integrated Agromet Advisory Services”

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Chandel (13th to 17th March, 2013)</u> |
|---|--|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 – 31.0 °C. The minimum temp. is likely to be 10.0 – 14.0 °C. The maximum RH is likely to attain a max value of 66 %. Minimum RH is likely to reach a max of 38 %. The average wind speed during next five days may reach upto max. value of 8 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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



“Integrated Agromet Advisory Services”

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th March, 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Churachandpur (13th to 17th March, 2013)</u> |
|---|---|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 26.0 – 29.0 °C. The minimum temp. is likely to be 8.0 – 11.0 °C. The maximum RH is likely to attain a max value of 77 %. Minimum RH is likely to reach a max of 38 %. The average wind speed during next five days may reach upto max. value of 6 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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



“Integrated Agromet Advisory Services”

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Imphal- East (13th to 17th March, 2013)</u> |
|---|---|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 27.0 – 29.0 °C. The minimum temp. is likely to be 9.0 – 12.0 °C. The maximum RH is likely to attain a max value of 76 %. Minimum RH is likely to reach a max of 35 %. The average wind speed during next five days may reach upto max. value of 3 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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



“Integrated Agromet Advisory Services”

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Imphal- West (13th to 17th March, 2013)</u> |
|---|---|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 26.0 – 29.0 °C. The minimum temp. is likely to be 8.0 – 11.0 °C. The maximum RH is likely to attain a max value of 64 %. Minimum RH is likely to reach a max of 42 %. The average wind speed during next five days may reach upto max. value of 7 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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



“Integrated Agromet Advisory Services”

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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Senapati (13th to 17th March, 2013)</u> |
|---|--|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 25.0 - 28.0 °C. The minimum temp. is likely to be 6.0 – 9.0 °C. The maximum RH is likely to attain a max value of 83 %. Minimum RH is likely to reach a max of 38 %. The average wind speed during next five days may reach upto max. value of 5 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |



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



“Integrated Agromet Advisory Services”

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-meteorological 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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Tamenglong (13th to 17th March, 2013)</u> |
|---|--|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 10.0 – 13.0 °C. The maximum RH is likely to attain a max value of 68 %. Minimum RH is likely to reach a max of 38 %. The average wind speed during next five days may reach upto max. value of 5 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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“Integrated Agromet Advisory Services”

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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“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Thoubal (13th to 17th March, 2013)</u> |
|---|---|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 27.0 – 30.0 °C. The minimum temp. is likely to be 9.0 – 12.0 °C. The maximum RH is likely to attain a max value of 67 %. Minimum RH is likely to reach a max of 33 %. The average wind speed during next five days may reach upto max. value of 4 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |
| Tomato/ Brinjal/ Chilli | Vegetative | | <ul style="list-style-type: none"> - Inter-culture operation may be done and top dress after 30days of transplanting. |
| Potato | Tuber development | | <ul style="list-style-type: none"> - Late blight may be observed with the rains. |



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Manipur Centre, Lamphelpat, Imphal - 795 004



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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



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



“Integrated Agromet Advisory Services”

MANIPUR BULLETIN

12th 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 13th to 17th March, 2013 as given below:

| <u>Significant past weather for the preceding bi-weekly of Imphal - West (8th to 11th March, 2013)</u> | <u>Weather forecast for next five days of Ukhrul (13th to 17th March, 2013)</u> |
|---|--|
| <p>During the past four days the sky was partly cloudy to mainly cloudy but mainly clear during afternoon and morning hours of 10 & 11 March respectively. No rainfall was recorded during past four days. Maximum temperature range observed was 28.1 – 29.7 °C, range of minimum temperature observed was 7.6 – 9.0 °C, mean relative humidity observed in morning and afternoon were 82.75 % and 41.25 % respectively. The average wind speed range was 2.9 – 5.0 km/hr.</p> | <p>There is likely to have light rain/ thundery shower 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 26.0 - 28.0 °C. The minimum temp. is likely to be 6.0 – 9.0 °C. The maximum RH is likely to attain a max value of 75 %. Minimum RH is likely to reach a max of 36 %. The average wind speed during next five days may reach upto max. value of 8 km/hr.</p> |

| 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. |
| Horticulture Crops | | | |
| Turmeric/ Ginger | Sowing | | <ul style="list-style-type: none"> - After sorting out healthy rhizome seed and seed treatment (with Carbendazim @3 gm/kg seed) and also with some insecticide sowing may be done. |
| Onion/ Garlic | Bulb formation | | <ul style="list-style-type: none"> - Mulching of bed with dried twigs/ paddy straw is advised. Also in small area, mulching may be done using old newspapers. - If there is incidence of white mining lines of leaf minor and drying of tips, spray Nuvan @ 0.5ml/lit of water + 1 ml of Monocrotophos per liter of water at weekly interval (twice) or Cypermethrin @ 1ml/liter of water. |
| Cucurbits | Transplanting to early vegetative | | <ul style="list-style-type: none"> - Seedlings may be transplanted. - In vegetative stage, staking/ support should be provided. |



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



“Integrated Agromet Advisory Services”

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-meteorological 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