



GRAMIN KRISHI MAUSAM SEWA

ICAR Research Complex for NEH Region

Umroi Road, Umiam – 793 103 Meghalaya



☎ Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

| | | | |
|-------------------------------|-----------------------|---|--|
| | | | <ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth. |
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) |
| | | | |
| Animal Sciences | | | |
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. |
| | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |
| Fishery | | | |
| Common carp | Fry stage/Advance fry | | <p style="text-align: center;">Fry stocking</p> <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |



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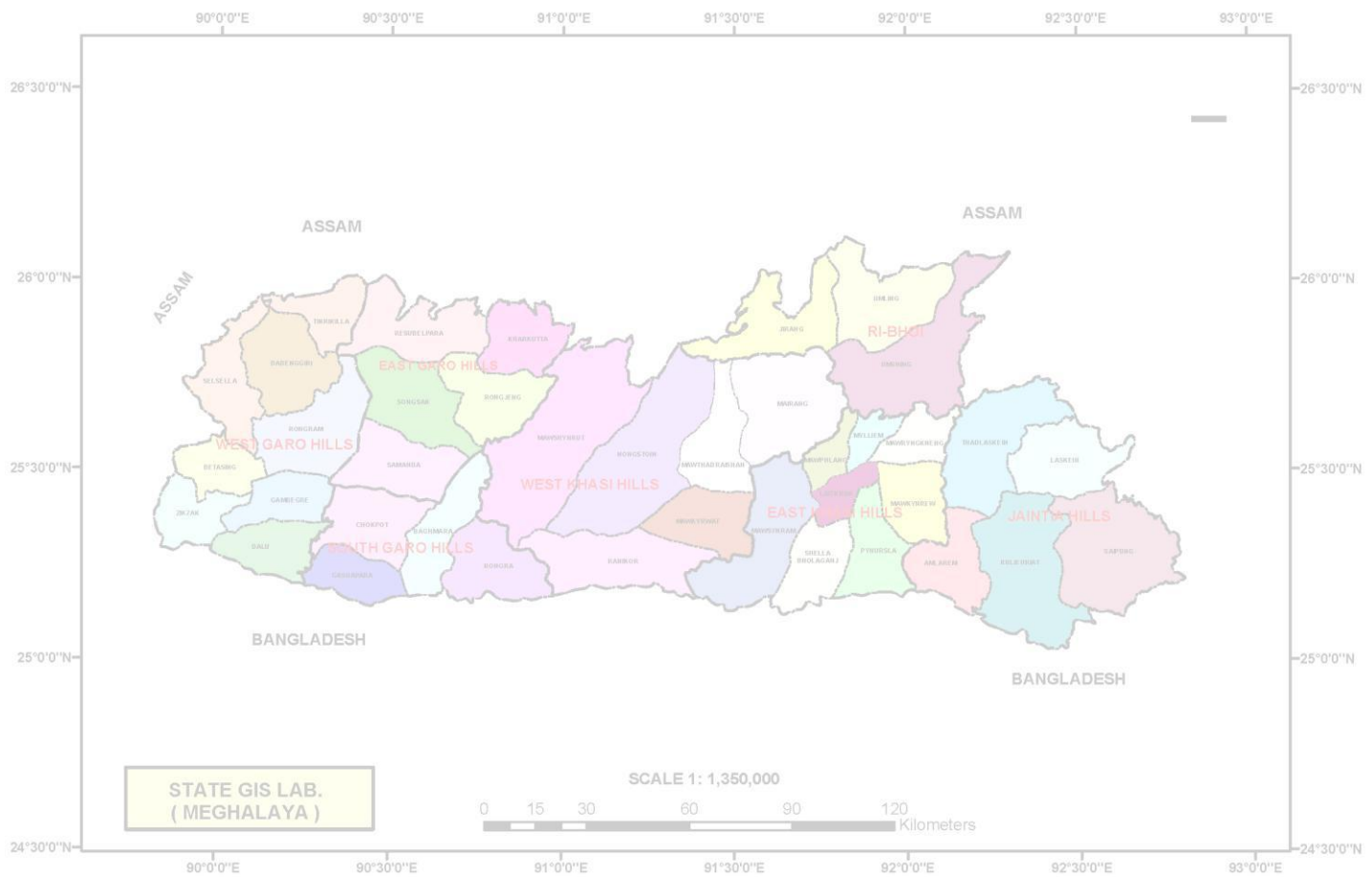


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| | | | |
|-----------------------|----------|--|--|
| Major Carp/Minor Carp | Brooders | | <p>Brood stock maintenance</p> <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |
|-----------------------|----------|--|--|

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – Ri-Bhoi
(Period 3rd - 7th June, 2017)

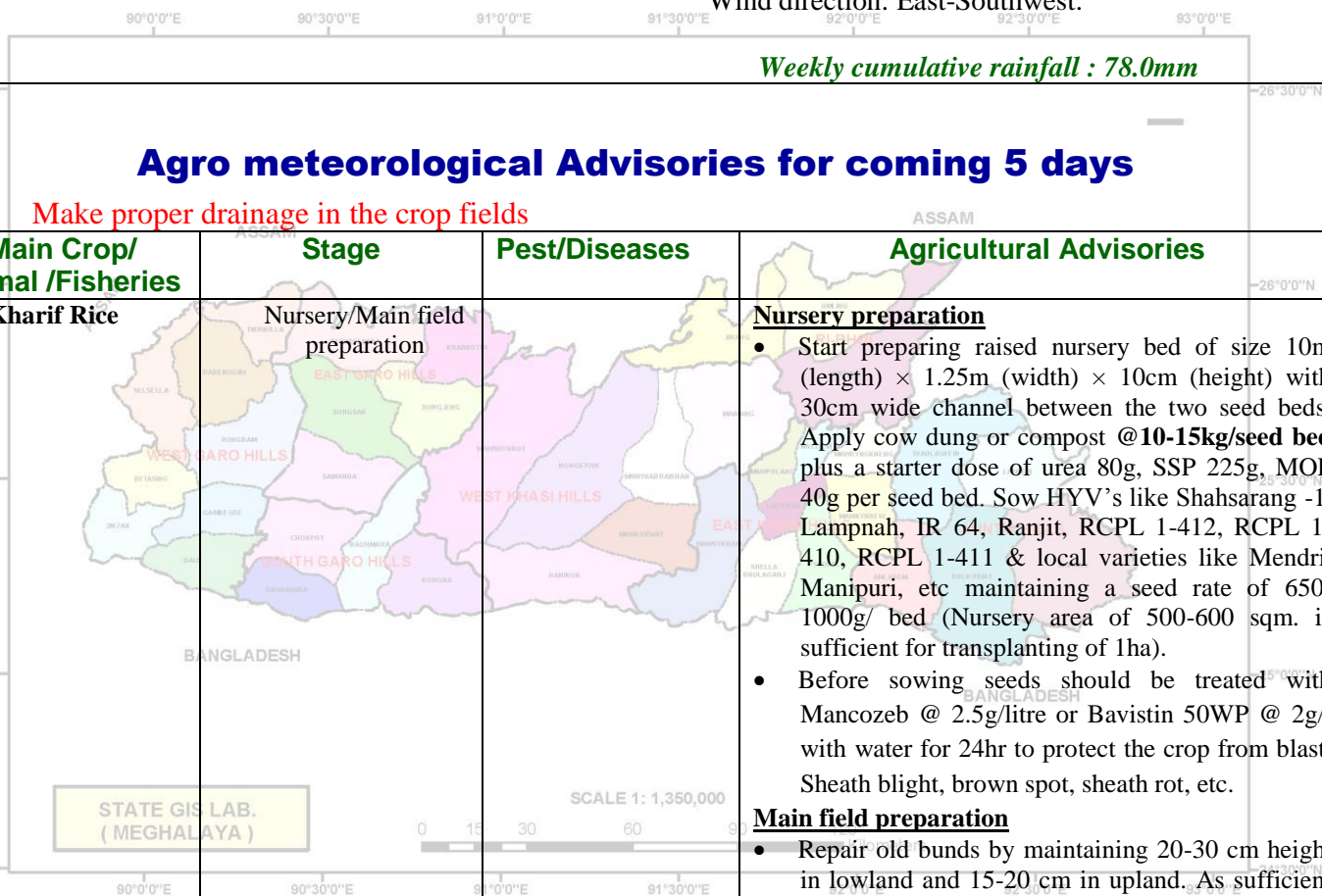
Weather summary of the past four days

Weather forecast valid up to 7th June, 2017

Sky was mainly cloudy with 67.2mm of rainfall. Maximum temperatures ranged between 21.7-29.0°C and minimum ranged between 17.5-17.9°C. Mean relative humidity was 89-99% in morning and 64-85% in evening. Wind speed ranged between 3-4 kmph.

The possibility of Rainfall is 78.0mm for the next five days. Maximum Temp: 27.0-30.0°C, Minimum Temp: 17.0-19.0°C, Cloud cover: sky will be partly cloudy i.e. 3-4 Okta, Maximum RH: 91-98%, Minimum RH: 55-66%, Wind speed: 2-3 Kmph, Wind direction: East-Southwest.

C & RD BLOCK MAP OF MEGHALAYA



- **Make proper drainage in the crop fields**

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|---|--------------------------------|----------------------|--|
| Sali/Kharif Rice | Nursery/Main field preparation | | <p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shabsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p><u>Main field preparation</u></p> <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation losses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses. • Support of bamboo structure for climbing upward |



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| | | | |
|--------------------------------|------------------|------------------|---|
| | | | may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses. Support of bamboo structure for climbing upward may be raised for proper growth. |
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Spring Potato | Vegetative stage | | <ul style="list-style-type: none"> Intercultural operations such as weeding may be carried out. Earthing up and ensure that tuber are not expose to sunlight. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) |
| Animal Sciences | | | |
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. |
| | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from |



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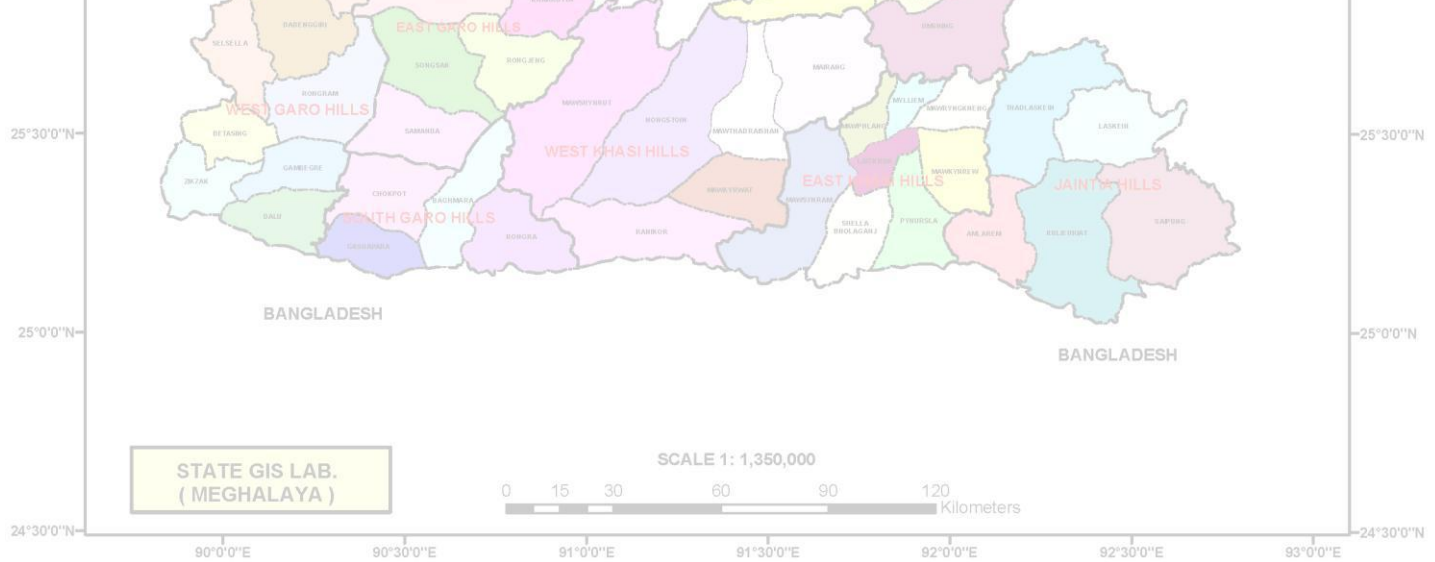


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| | | | |
|-------------------------------|-------------------|---|--|
| | | | piglet anaemia during 1 st week of age. |
| | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |

| | | | |
|-----------------------|-----------------------|--|--|
| Fishery | | | |
| Common carp | Fry stage/Advance fry | | <p>Fry stocking</p> <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | <p>Brood stock maintenance</p> <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





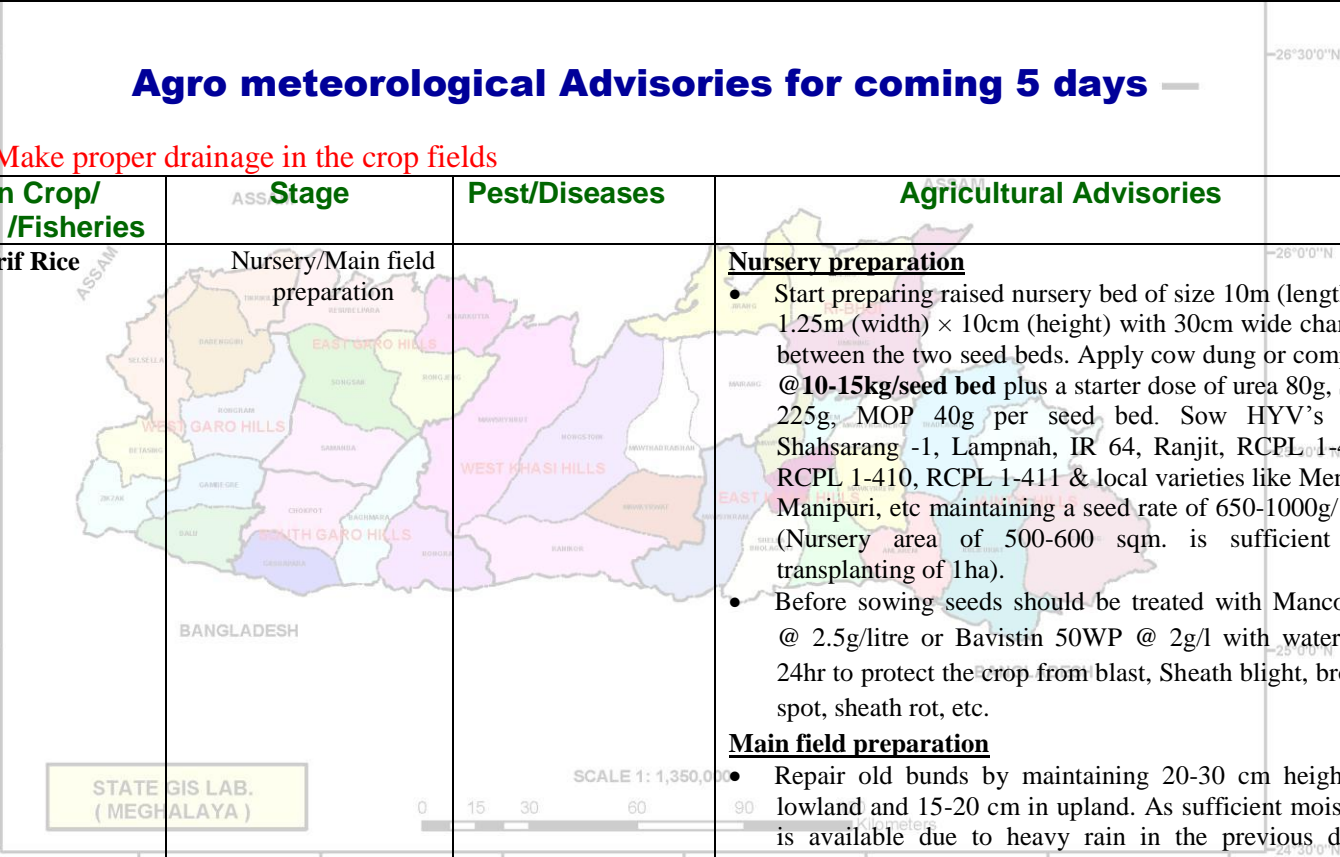
Agro Advisory Bulletin – SOUTH GARO HILLS
(Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 39.0mm for the next five days. Maximum Temp: 27-30°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 95-98%, Minimum RH: 69-80%, Wind speed: 8-9 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall : 39.0mm

C & RD BLOCK MAP OF MEGHALAYA

| Main Crop/ Animal /Fisheries | ASS Stage | Pest/Diseases | Agricultural Advisories |
|--|---------------------------------------|---------------|---|
| <p>Sali/Kharif Rice</p>  | <p>Nursery/Main field preparation</p> | | <p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p><u>Main field preparation</u></p> <ul style="list-style-type: none"> Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| <p>Maize High & Mid altitude Region</p> | <p>Emergence/ Knee high stage</p> | | <ul style="list-style-type: none"> Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| <p>Bottle Gourd</p> | <p>Vegetative stage</p> | | <ul style="list-style-type: none"> Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth. |
| <p>Ash Gourd & Pumpkin</p> | <p>Vegetative stage</p> | | <ul style="list-style-type: none"> Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may |



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| | | | |
|------------------------|------------------|--|--|
| Brinjal/Chilli | Vegetative stage | | <p>be raised for proper growth.</p> <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D: 15mg/l + Urea (10g/l) + Benomy (1g/l) |

Animal Sciences

| | | | |
|----------------|------------|--|--|
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. |
| | | | <p>Coccidiosis</p> <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | <p>Ranikhet disease</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |

| | | | |
|----------------|------------|--|---|
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| | | | <p>Skin infection</p> <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |

| | | | |
|-------------------------------|-------------------|---|--|
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |

Fishery

| | | | |
|------------------------------|-----------------------|--|--|
| Common carp | Fry stage/Advance fry | | <p>Fry stocking</p> <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | Brood stock maintenance |



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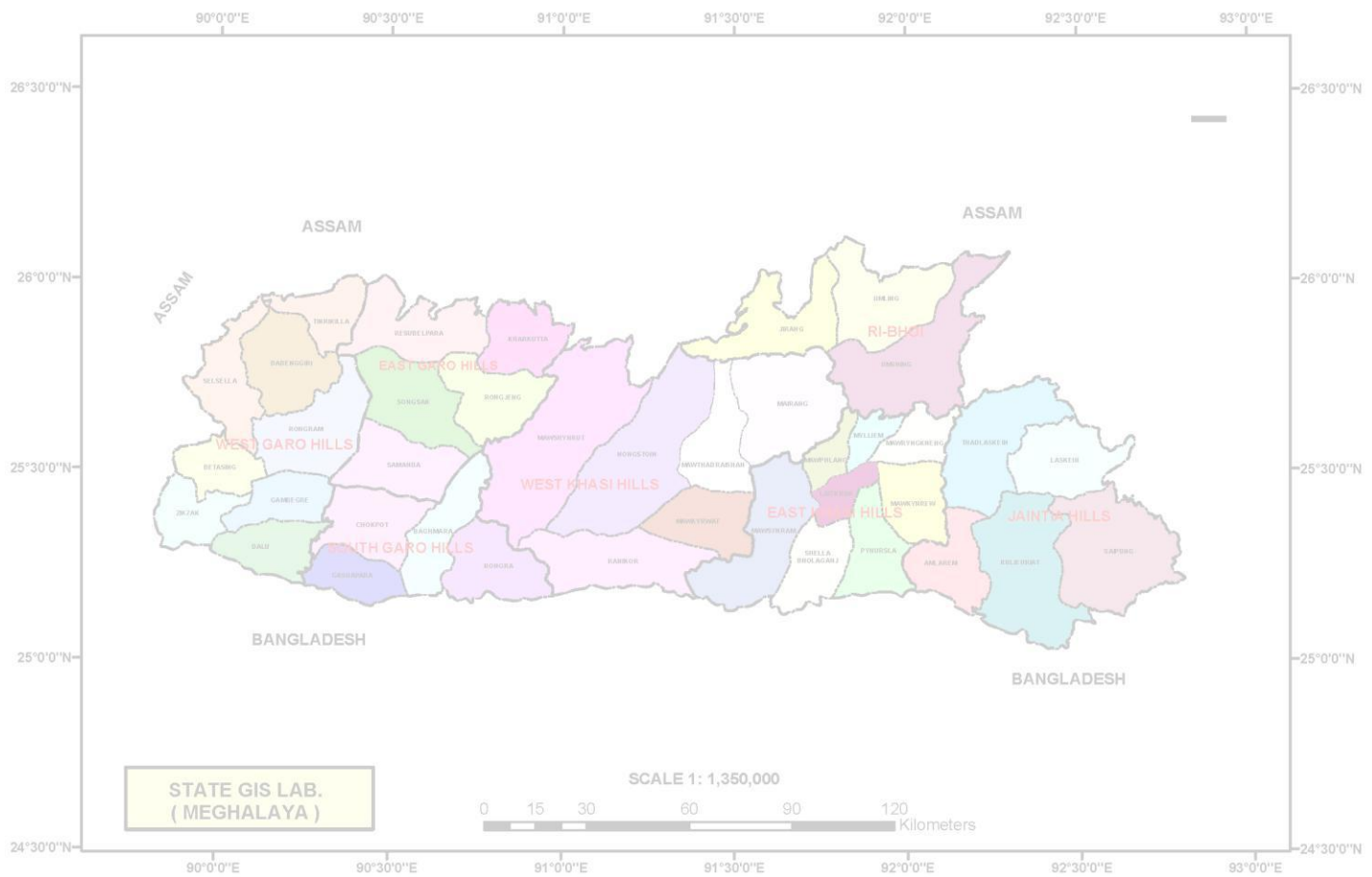


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| | | | <ul style="list-style-type: none"> • Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). • Regular monitoring of PH and dissolved oxygen. |
|--|--|--|--|

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – SOUTH WEST GARO HILLS (Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 24.0mm for the next five days. Maximum Temp: 30-33°C, Minimum Temp: 21-23°C, Cloud cover: sky will be partly cloudy i.e. 3-4 Okta, Maximum RH: 92-95%, Minimum RH: 63-68%, Wind speed: 2-5 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 24.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

- Make proper drainage in the crop fields

| Main Crop/ Animal /Fisheries | ASS Stage | Pest/Diseases | Agricultural Advisories |
|--|--------------------------------|---------------|---|
| Sali/Kharif Rice | Nursery/Main field preparation | | <p>Nursery preparation</p> <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p>Main field preparation</p> <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may |



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| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D: 15mg/l + Urea (10g/l) + Benomy (1g/l) |

Animal Sciences

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| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. |
| | | | <p>Coccidiosis</p> <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | <p>Ranikhet disease</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |

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| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| | | | <p>Skin infection</p> <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |

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| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |

Fishery

| | | | |
|------------------------------|-----------------------|--|--|
| Common carp | Fry stage/Advance fry | | <p>Fry stocking</p> <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | Brood stock maintenance |



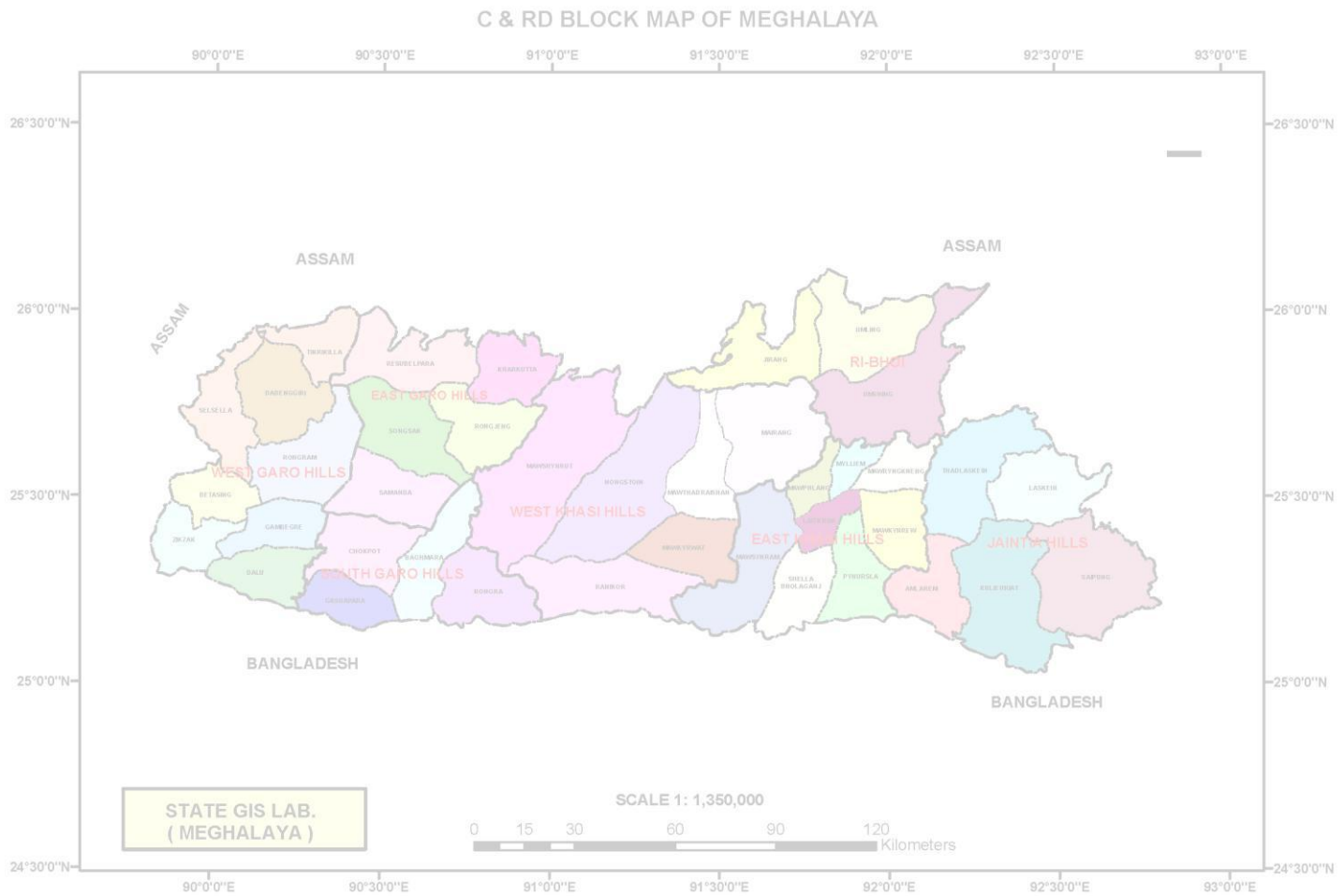
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| | | | <ul style="list-style-type: none"> • Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). • Regular monitoring of PH and dissolved oxygen. |
|--|--|--|--|

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 54.0mm for the next five days. Maximum Temp: 25-29°C, Minimum Temp: 17-19°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 94-98%, Minimum RH: 66-83%, Wind speed: 6-7 Kmph, Wind direction: Eastern.

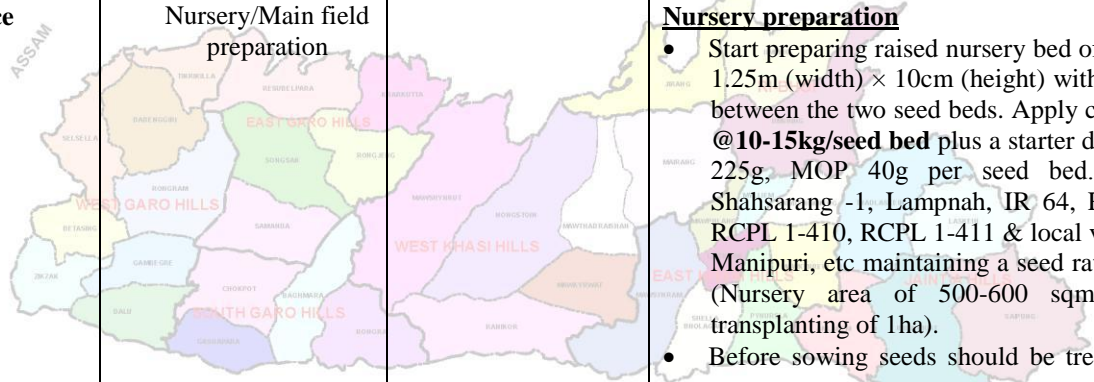
Weekly cumulative rainfall : 54.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

- **Make proper drainage in the crop fields**

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|---|---|----------------------|---|
| Sali/Kharif Rice | ASSAM Nursery/Main field preparation  | | Nursery preparation <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |



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| | | | | |
|-------------------------------|-----------------------|---|--|--|
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. | |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. | |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. | |
| Spring Potato | Vegetative stage | | <ul style="list-style-type: none"> Intercultural operations such as weeding may be carried out. Earthing up and ensure that tuber are not expose to sunlight. | |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) | |
| Animal Sciences | | | | |
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. | |
| | | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. | |
| | | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck | |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. | |
| Fishery | | | | |
| Common carp | Fry stage/Advance fry | | Fry stocking | |



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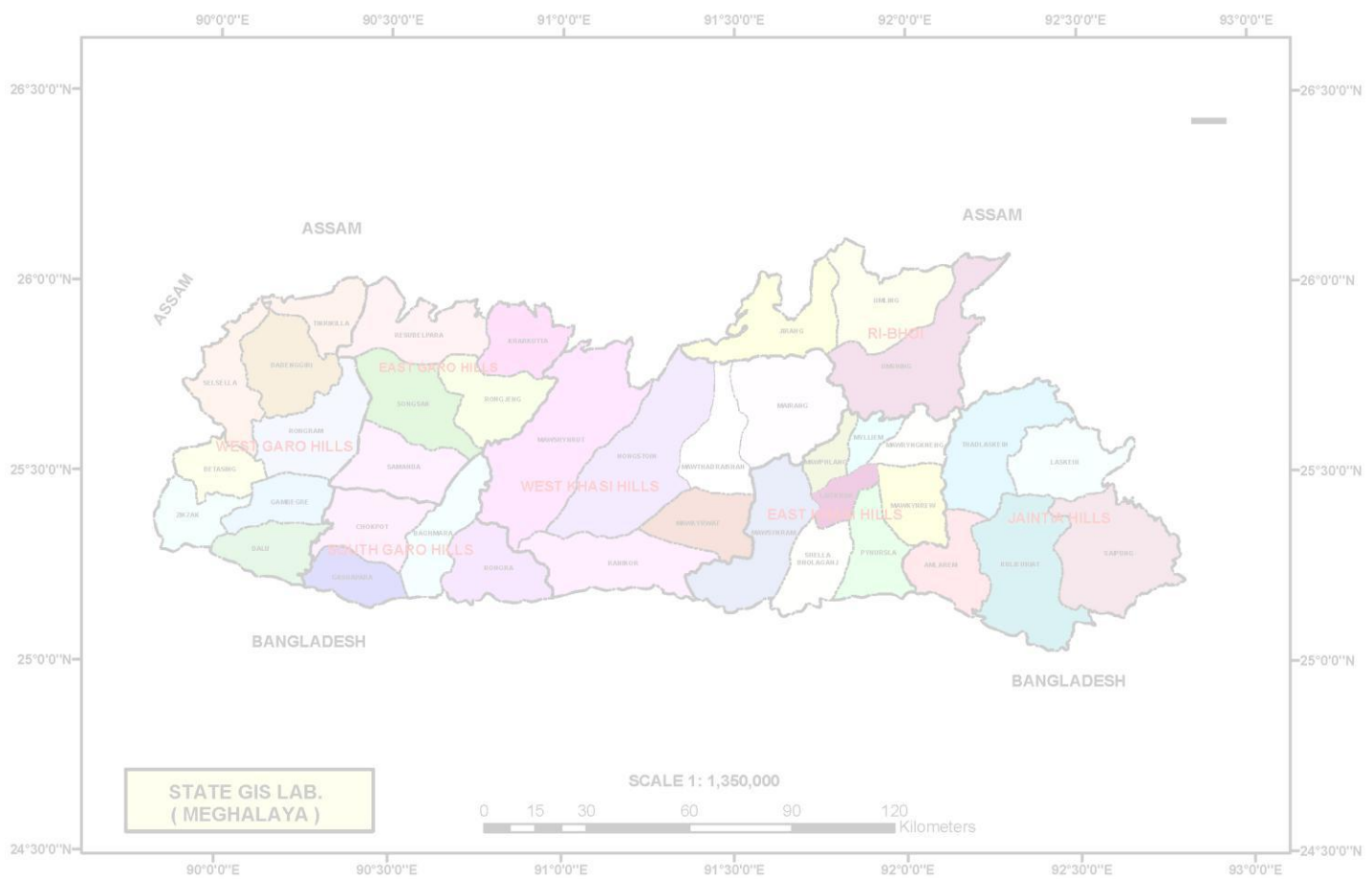


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|-----------------------|----------|--|--|
| | | | <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | <p>Brood stock maintenance</p> <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – WEST GARO HILLS
(Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 37.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy i.e. 4-5 Okta, Maximum RH: 95-98%, Minimum RH: 67-73%, Wind speed: 6-7 Kmph, Wind direction: Eastern.

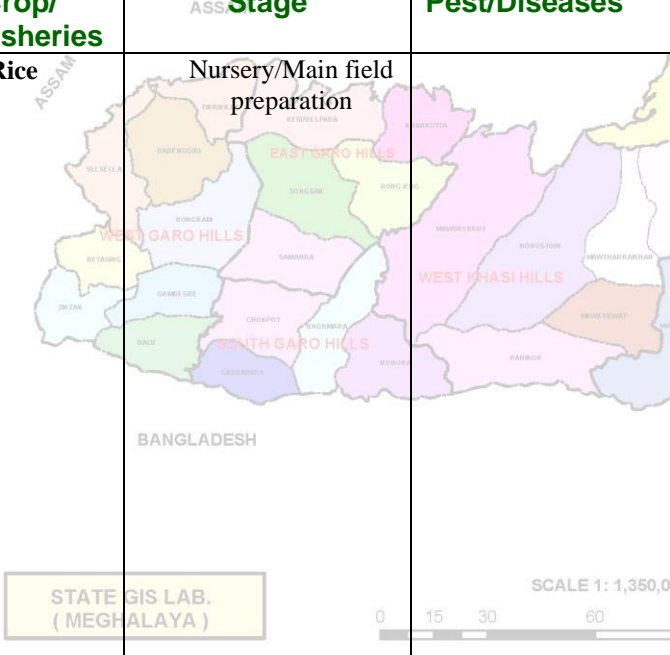
Weekly cumulative rainfall : 37.0mm

C & RD BLOCK MAP OF MEGHALAYA

| Main Crop/ Animal /Fisheries | ASS Stage | Pest/Diseases | Agricultural Advisories |
|--|--------------------------------|---------------|---|
| Sali/Kharif Rice | Nursery/Main field preparation | | <p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p><u>Main field preparation</u></p> <ul style="list-style-type: none"> Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may |

Agro meteorological Advisories for coming 5 days

Make proper drainage in the crop fields





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| | | | |
|------------------------|------------------|--|--|
| Brinjal/Chilli | Vegetative stage | | <p>be raised for proper growth.</p> <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D: 15mg/l + Urea (10g/l) + Benomy (1g/l) |

Animal Sciences

| | | | |
|-------------------------------|-------------------|---|--|
| | Poultry | All stages | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. |
| | | | <p>Coccidiosis</p> <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | <p>Ranikhet disease</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| | Piggery | All stages | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| | | | <p>Skin infection</p> <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |

Fishery

| | | | |
|-----------------------|-----------------------|--|--|
| Common carp | Fry stage/Advance fry | | <p>Fry stocking</p> <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | Brood stock maintenance |



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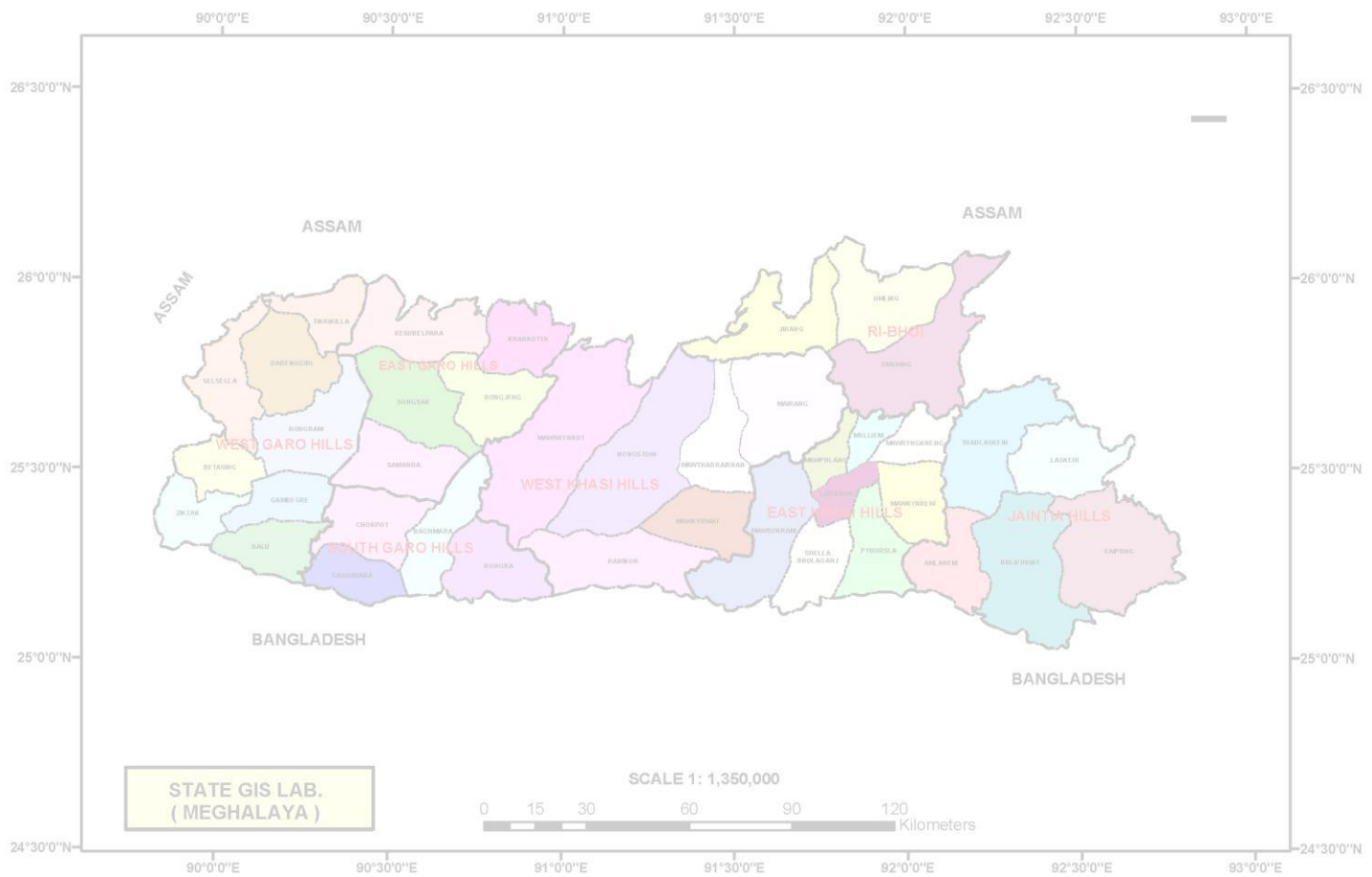


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| | | | |
|--|--|--|--|
| | | | <ul style="list-style-type: none"> • Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). • Regular monitoring of PH and dissolved oxygen. |
|--|--|--|--|

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – WEST JAINTIA HILLS
(Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 84.0mm for the next five days. Maximum Temp: 25-29°C, Minimum Temp: 17-18°C, Cloud cover: sky will be partly cloudy i.e. 4-5 Okta, Maximum RH: 93-98%, Minimum RH: 62-72%, Wind speed: 2-3 Kmph, Wind direction: East-South.

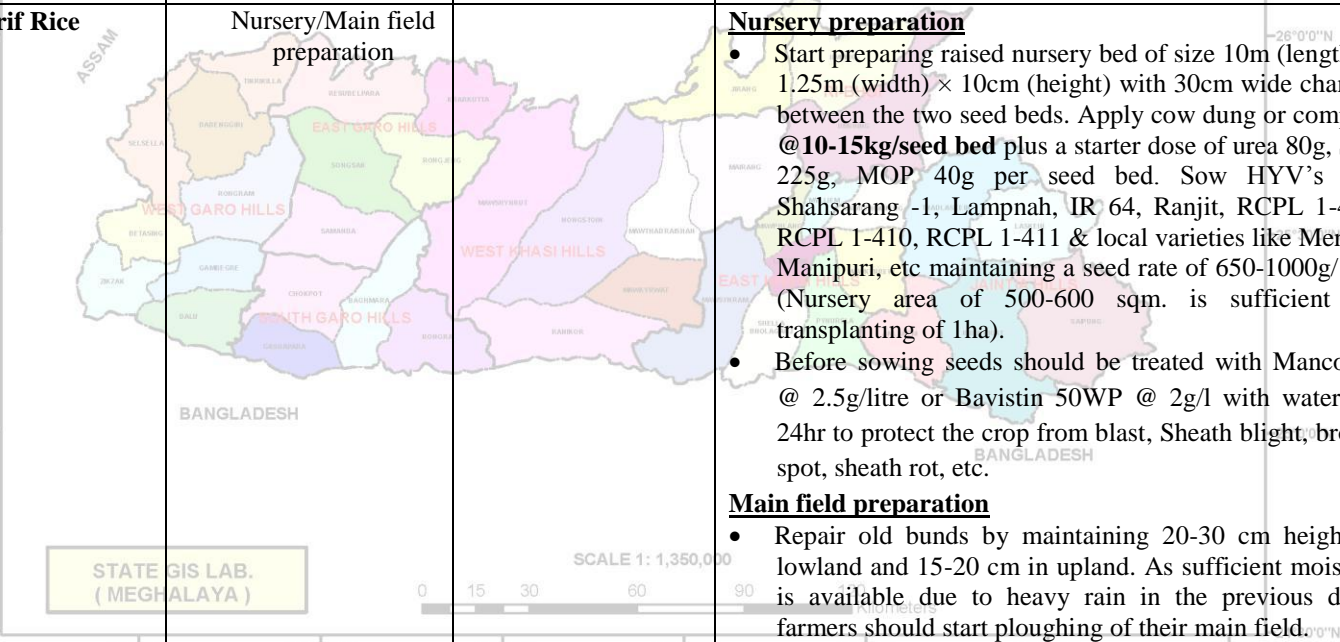
Weekly cumulative rainfall : 84.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

- **Make proper drainage in the crop fields**

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|--|---------------------------------------|---------------|---|
| <p>Sali/Kharif Rice</p>  | <p>Nursery/Main field preparation</p> | | <p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shagsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p><u>Main field preparation</u></p> <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| <p>Maize High & Mid altitude Region</p> | <p>Emergence/ Knee high stage</p> | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| <p>Bottle Gourd</p> | <p>Vegetative stage</p> | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |
| <p>Ash Gourd & Pumpkin</p> | <p>Vegetative stage</p> | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |



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|------------------------|-----------------------|---|--|--|
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. | |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. | |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. | |
| Spring Potato | Vegetative stage | | <ul style="list-style-type: none"> Intercultural operations such as weeding may be carried out. Earthing up and ensure that tuber are not expose to sunlight. | |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) | |
| Animal Sciences | | | | |
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. | |
| | | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. | |
| | | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck | |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. | |
| Fishery | | | | |
| Common carp | Fry stage/Advance fry | | Fry stocking | |



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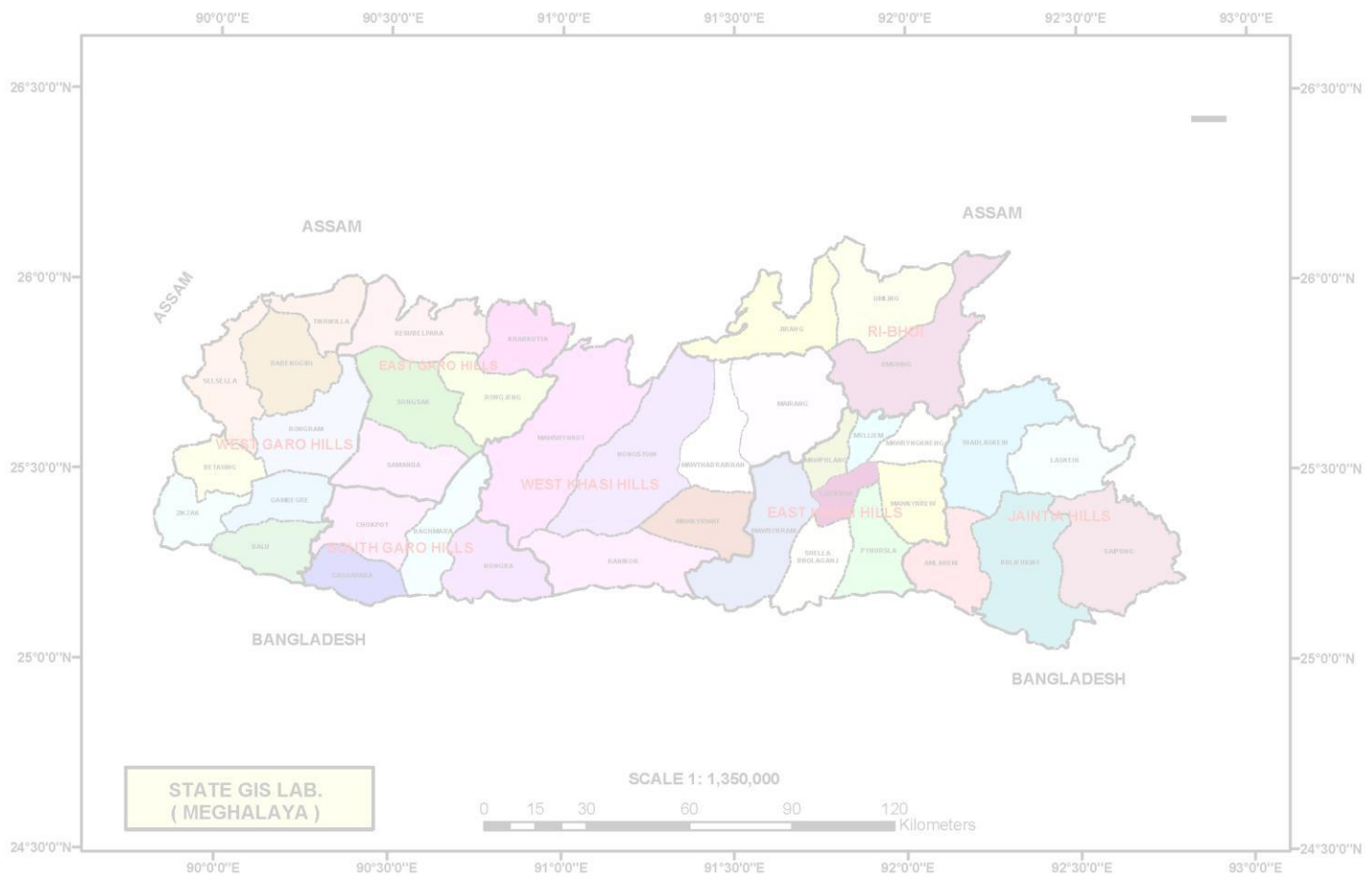


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| | | | |
|-----------------------|----------|--|--|
| | | | <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | <p>Brood stock maintenance</p> <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – WEST KHASI HILLS (Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 73.0mm for the next five days. Maximum Temp: 24-28°C, Minimum Temp: 13-14°C, Cloud cover: sky will be partly cloudy i.e. 4-5 Okta, Maximum RH: 92-98%, Minimum RH: 65-74%, Wind speed: 4-5 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 73.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

- **Make proper drainage in the crop fields**

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|---|---|---------------|---|
| Sali/Kharif Rice | ASSAM Nursery/Main field preparation | | Nursery preparation <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |



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|-------------------------------|-----------------------|---|--|
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Spring Potato | Vegetative stage | | <ul style="list-style-type: none"> Intercultural operations such as weeding may be carried out. Earthing up and ensure that tuber are not expose to sunlight. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) |
| Animal Sciences | | | |
| Poultry | | All stages | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. |
| | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | | All stages | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| Cattle & Buffaloes | 6-9 months calves | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| | | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |
| Fishery | | | |
| Common carp | Fry stage/Advance fry | | Fry stocking |



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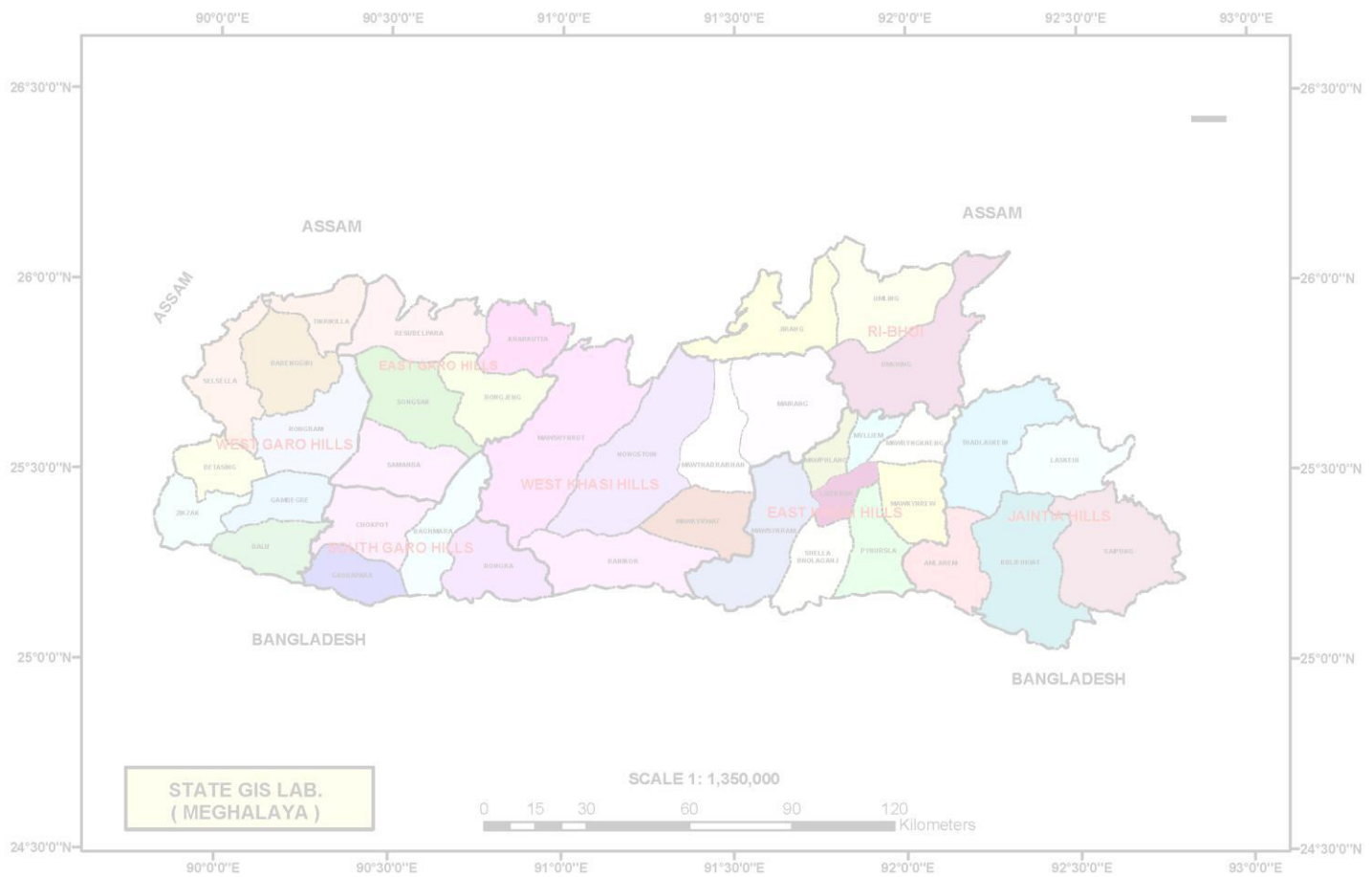


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| | | | |
|-----------------------|----------|--|--|
| | | | <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | <p>Brood stock maintenance</p> <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – East Garo Hills (Period 3rd - 7th June, 2017)

Weather summary of the past five days

Weather forecast valid up to 7th June, 2017

Sky was partly cloudy with 59.0mm rainfall. Maximum temperatures ranged between 26-30°C and minimum ranged between 17-19°C. Relative humidity was 96-98% in morning and 61-79% in evening. Wind speed ranged between: 4-6kmph.

The possibility of Rainfall is 41.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 19-21°C, Cloud cover: sky will be mainly cloudy i.e. 4-5 Okta, Maximum RH: 94-98%, Minimum RH: 65-75%, Wind speed: 5-6 Kmph, Wind direction: Northeast-Southeast.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 41.0mm

Agro meteorological Advisories for coming 5 days

- Make proper drainage in the crop fields

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|----------------------------------|--------------------------------|---------------|---|
| Sali/Kharif Rice | Nursery/Main field preparation | | <p>Nursery preparation</p> <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shagsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p>Main field preparation</p> <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce |



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|--------------------------------|------------------|--|--|--|
| | | | <ul style="list-style-type: none"> evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth. | |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth. | |
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. | |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. | |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. | |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) | |
| Animal Sciences | | | | |
| Poultry | All stages | <p style="text-align: center;">STATE GIS LAB. (MEGHALAYA)</p> <p style="text-align: center;">SCALE 1: 1,350,000</p> <p style="text-align: center;">0 15 30 60 90</p> | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. | |
| | | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. | |
| | | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |



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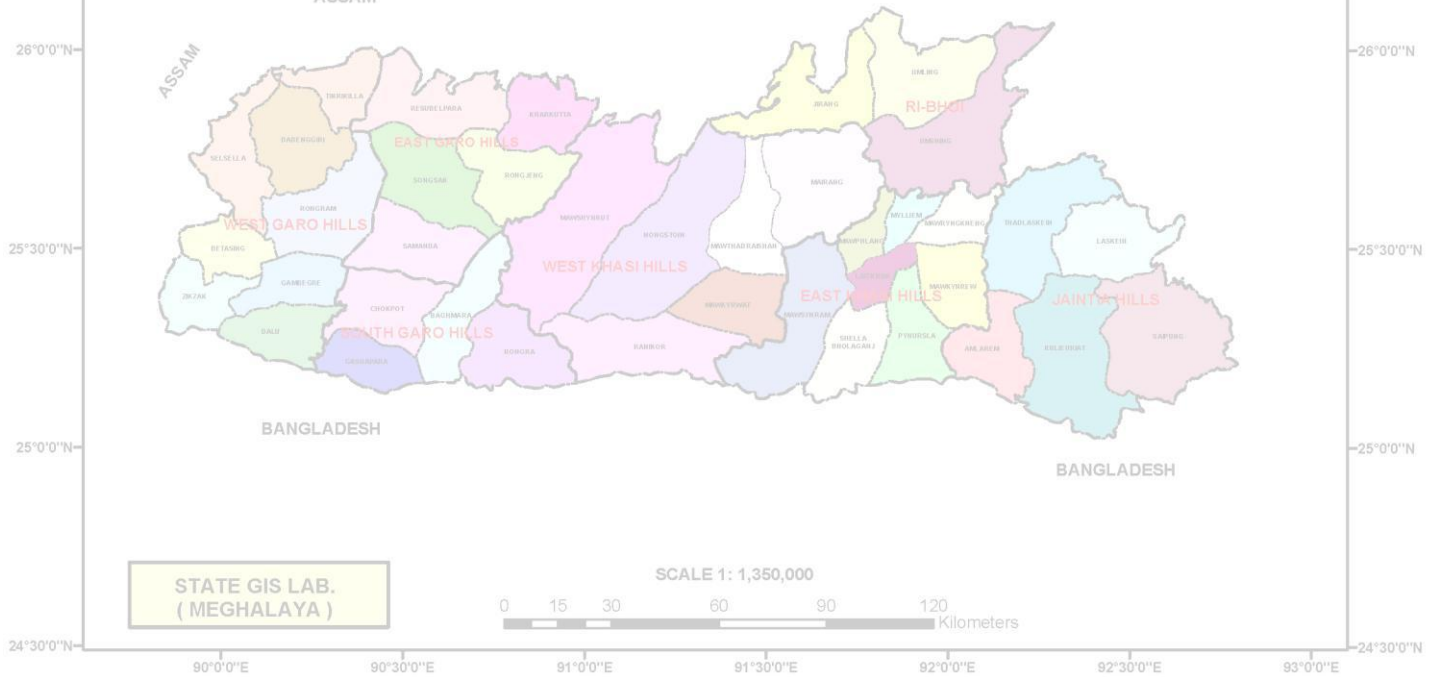
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|-------------------------------|-------------------|---|--|
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |

Fishery

| | | | |
|-----------------------|-----------------------|-------------------------------|---|
| Common carp | Fry stage/Advance fry | | Fry stocking <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | C & RD BLOCK MAP OF MEGHALAYA | Brood stock maintenance <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – EAST JAINTIA HILLS **(Period 3rd - 7th June, 2017)**

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 74.0mm for the next five days. Maximum Temp: 25-29°C, Minimum Temp: 17-19°C, Cloud cover: sky will be partly cloudy i.e. 4-5 Okta, Maximum RH: 95-99%, Minimum RH: 68-82%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 74.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

- **Make proper drainage in the crop fields**

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|---|--------------------------------|----------------------|---|
| Sali/Kharif Rice | Nursery/Main field preparation | | <p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p><u>Main field preparation</u></p> <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation loses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. • Support of bamboo structure for climbing upward may be raised for proper growth. |



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| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. | |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. | |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. | |
| Spring Potato | Vegetative stage | | <ul style="list-style-type: none"> Intercultural operations such as weeding may be carried out. Earthing up and ensure that tuber are not expose to sunlight. | |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) | |
| Animal Sciences | | | | |
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. | |
| | | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. | |
| | | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck | |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. | |
| Fishery | | | | |
| Common carp | Fry stage/Advance fry | | Fry stocking | |



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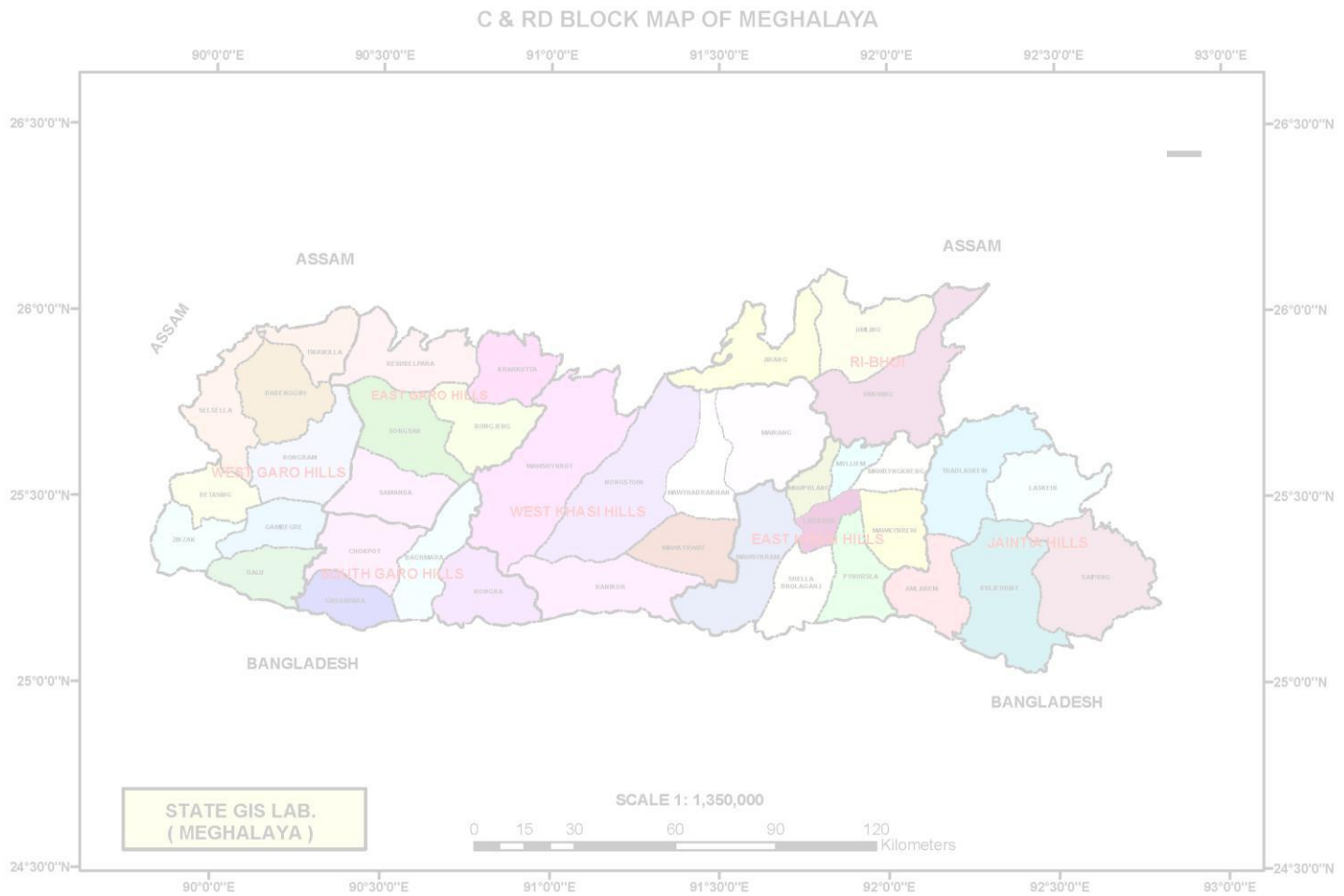
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|-----------------------|----------|--|--|
| | | | <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | <p>Brood stock maintenance</p> <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – EAST KHASI HILLS (Period 3rd - 7th June, 2017)

Weather forecast valid up to 7th June, 2017

The possibility of Rainfall is 103.0mm for the next five days. Maximum Temp: 24-26°C, Minimum Temp: 14-15°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 93-98%, Minimum RH: 66-77%, Wind speed: 4-5 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 103.0mm C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E

Agro meteorological Advisories for coming 5 days

- **Make proper drainage in the crop fields**

| Main Crop/ Animal /Fisheries | Stage | Pest/Diseases | Agricultural Advisories |
|--|--------------------------------|---------------|---|
| Sali/Kharif Rice | Nursery/Main field preparation | | <p>Nursery preparation</p> <ul style="list-style-type: none"> • Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV's like Shagsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). • Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. <p>Main field preparation</p> <ul style="list-style-type: none"> • Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field. |
| Maize High & Mid altitude Region | Emergence/ Knee high stage | | <ul style="list-style-type: none"> • Weeding, top dressing of urea @ 44kg/ha for HYV and 33Kg for local varieties followed by earthing up should be done at 30-40 DAG. Mulches like straw, grasses can be provided in between the rows to reduce evaporation losses of moisture. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses. • Support of bamboo structure for climbing upward may be raised for proper growth. |
| Ash Gourd & Pumpkin | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses. |



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| | | | <ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth. |
| Brinjal/Chilli | Vegetative stage | | <ul style="list-style-type: none"> Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. |
| Ginger/Turmeric | Vegetative stage | | <ul style="list-style-type: none"> Manuring & fertilizer: Apply ½ dose of Urea at 40 DAP. Weeding operation may be carried out. |
| Tomato | Vegetative stage | | <ul style="list-style-type: none"> Top dressing of N (5g/plant) and K (5g/plant) at 45 days after planting. Stake the plants with 1m tall stake. |
| Spring Potato | Vegetative stage | | <ul style="list-style-type: none"> Intercultural operations such as weeding may be carried out. Earthing up and ensure that tuber are not expose to sunlight. |
| Khasi Mandarin | Fruit Setting | | <ul style="list-style-type: none"> Management of trunk borer: by collection & destruction of trunk borers adults by shaking the branches at 10 days interval. Management of fruit drop: Spray 2,4-D 15mg/l + Urea (10g/l) + Benomy (1g/l) |
| Animal Sciences | | | |
| Poultry | All stages | | <ul style="list-style-type: none"> Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. |
| | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril. |
| Piggery | All stages | | <ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| | | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | Brucellosis | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. |



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| Fishery | | | |
|-----------------------|-----------------------|--|---|
| Common carp | Fry stage/Advance fry | | Fry stocking <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | Brood stock maintenance <ul style="list-style-type: none"> Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen. |

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA

