



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

| | | | |
|--------------------------------|------------------|-----------------------|--|
| | | Shoot Fly, Stem borer | <ul style="list-style-type: none"> Destroy the infested plant parts & stem. If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |
| 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. 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. Observe your field for presence of tomato pinworm (<i>Tuta absoluta</i>) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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 droppings of the poultry birds for any diseases symptom. |
| | | Coccidiosis | <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. |



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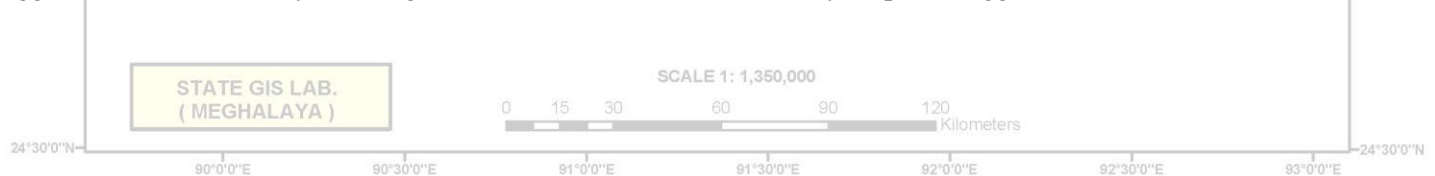
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| | | | |
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| | | | <ul style="list-style-type: none"> Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. |
| | | Ranikhet disease | <ul 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>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 14th – 18th June, 2017)**

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 66.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 95-98%, Minimum RH: 58-82%, Wind speed: 5-7 Kmph, Wind direction: East-Southeast.

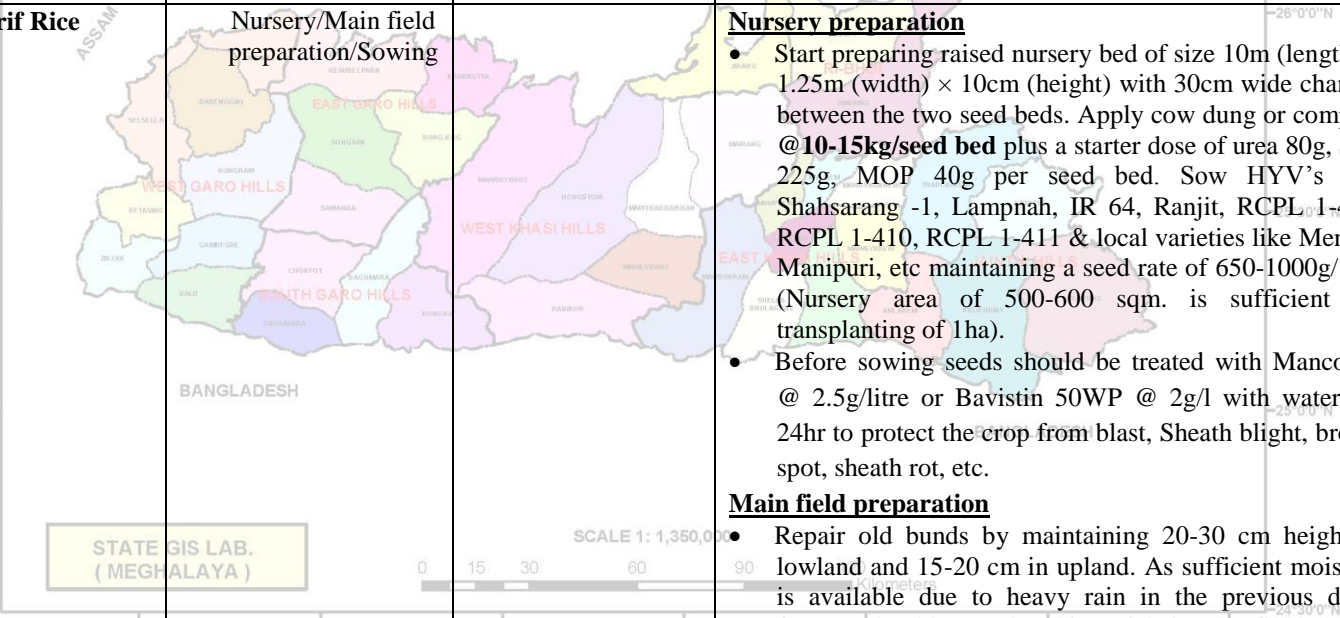
Weekly cumulative rainfall : 66.0mm

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 |
|--|--|------------------------------|---|
| <p>Sali/Kharif Rice</p>  | <p>Nursery/Main field preparation/Sowing</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><u>Sowing</u></p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| <p>Maize High & Mid altitude Region</p> | <p>Knee high to Tasseling stage</p> | <p>Shoot Fly, Stem borer</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. • Destroy the infested plant parts & stem. • If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |



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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. Observe your field for presence of tomato pinworm (<i>Tuta absoluta</i>) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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) + Benomyl (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. |
| | | | <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. |
| | | | <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. |
| | | | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> |



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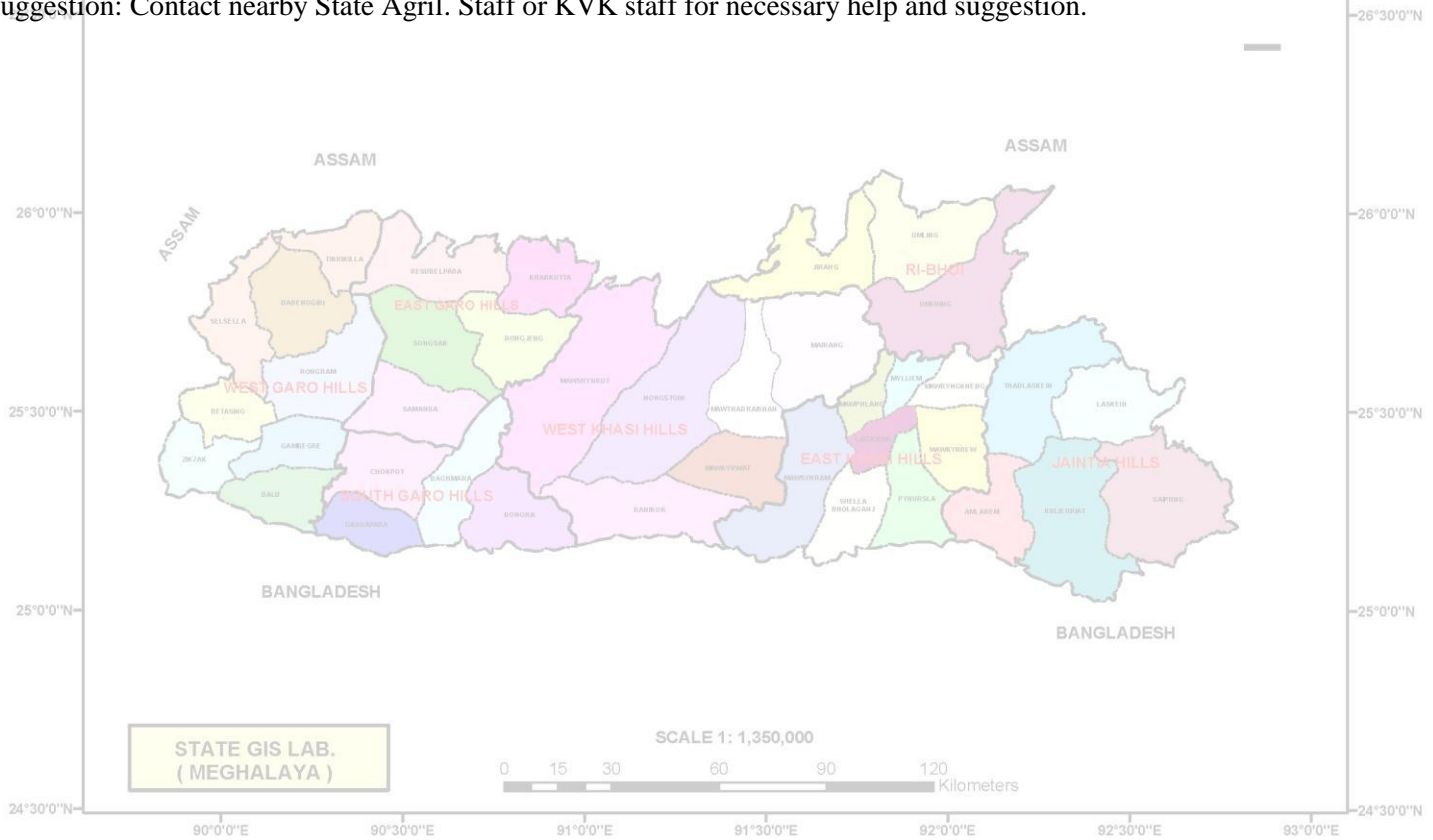
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| Fishery | | | |
| Common carp | Fry stage/Advance fry | | Fry stocking <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | Brood stock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





Agro Advisory Bulletin – SOUTH WEST GARO HILLS
(Period 14th – 18th June, 2017)

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 58.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 21-22°C, Cloud cover: sky will be mainly cloudy i.e. 4-6 Okta, Maximum RH: 93-95%, Minimum RH: 57-85%, Wind speed: 3-4 Kmph, Wind direction: East-Southeast.

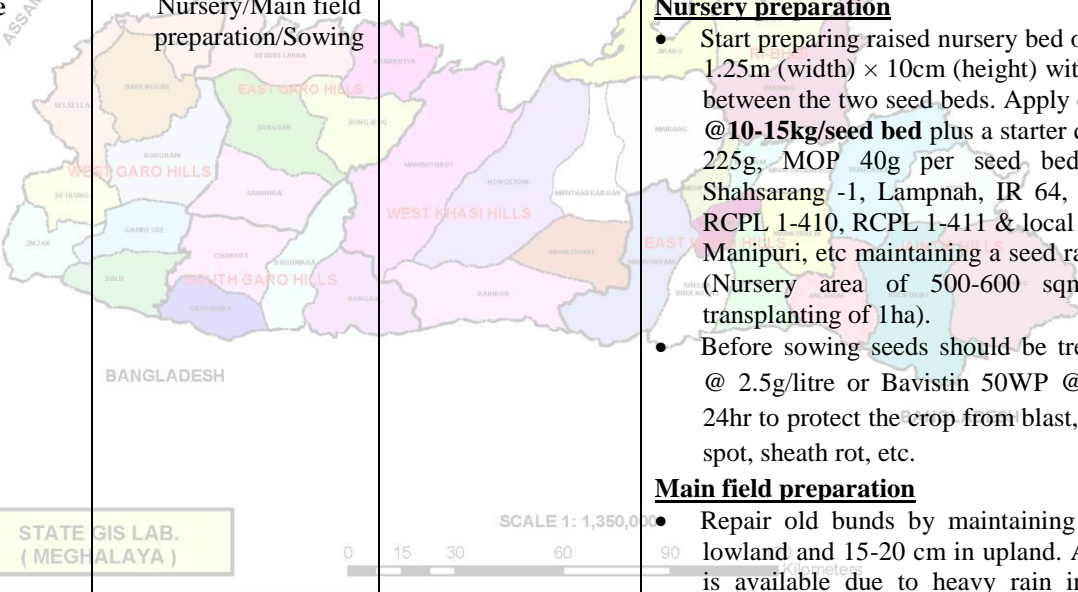
Weekly cumulative rainfall : 58.0mm

C & RD BLOCK MAP OF MEGHALAYA

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Agro meteorological Advisories for coming 5 days

- Make proper drainage in the crop fields

| Main Crop/ Animal /Fisheries | ASS Stage | Pest/Diseases | Agricultural Advisories |
|--|--|------------------------------|---|
| <p>Sali/Kharif Rice</p>  <p>STATE GIS LAB. (MEGHALAYA)</p> <p>SCALE 1: 1,350,000</p> | <p>Nursery/Main field preparation/Sowing</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><u>Sowing</u></p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| <p>Maize High & Mid altitude Region</p> | <p>Knee high to Tasseling stage</p> | <p>Shoot Fly, Stem borer</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. • Destroy the infested plant parts & stem. • If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |



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| 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. |
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| Cattle & Buffaloes | 6-9 months calves | Skin infection | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. | |
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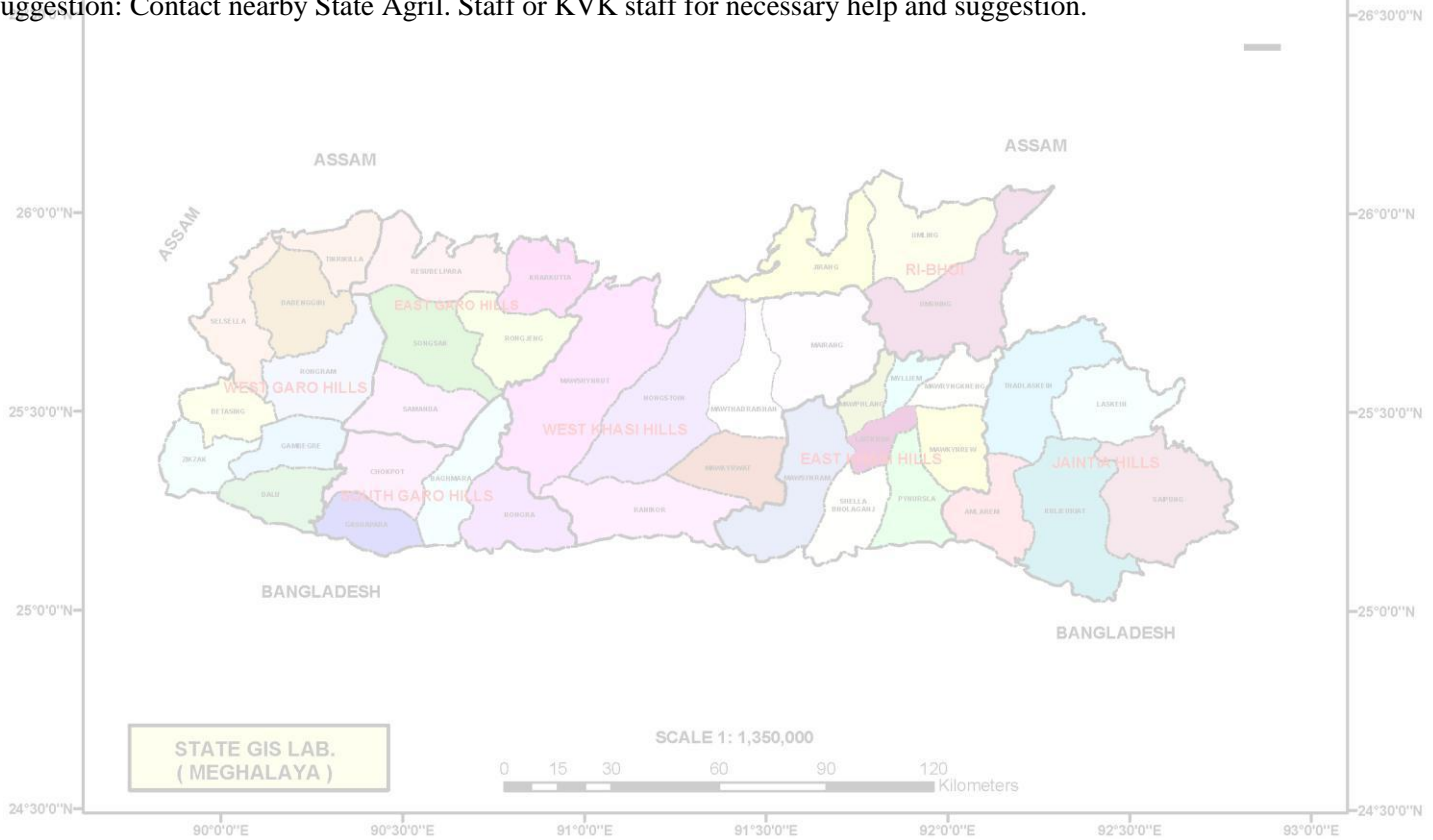
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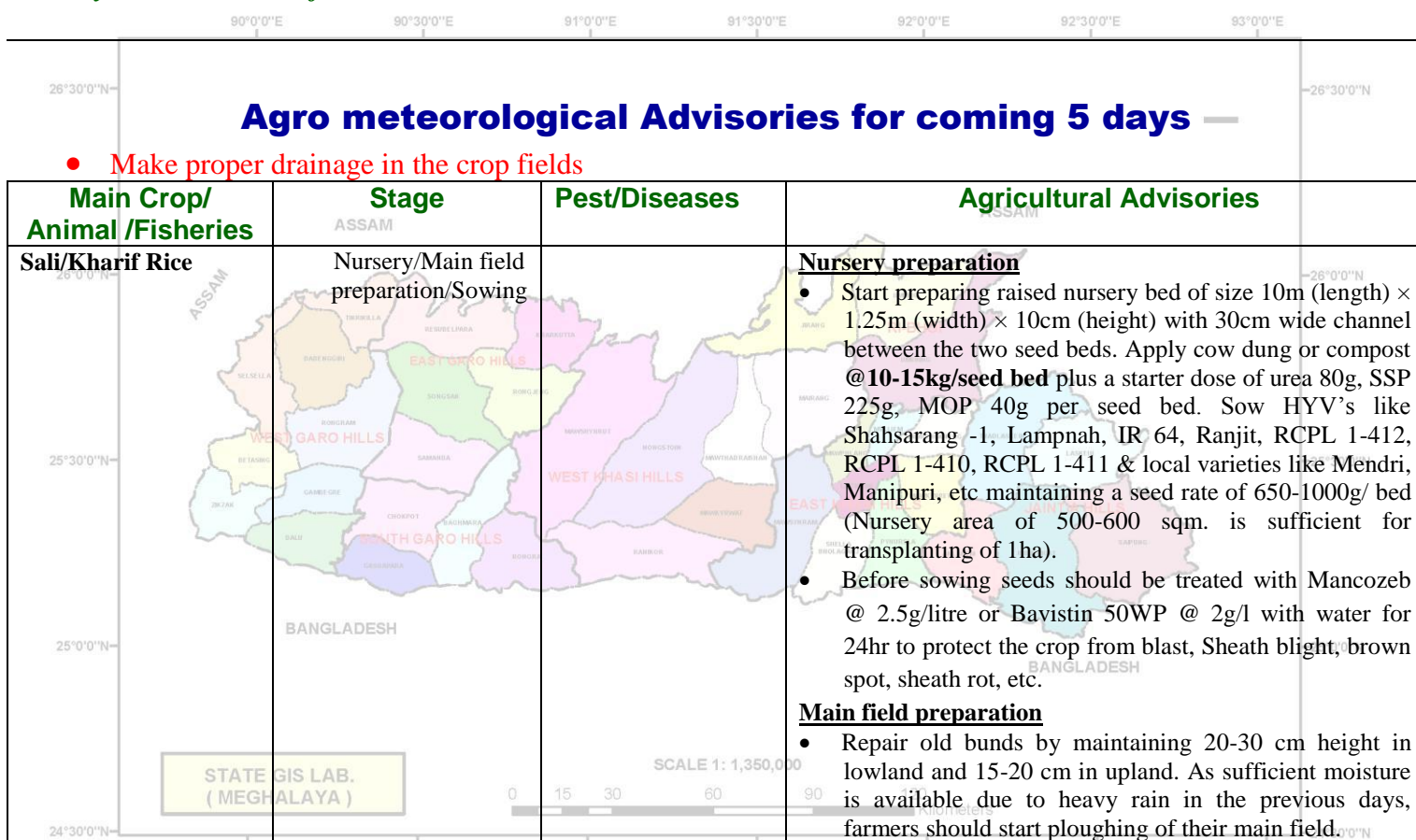
Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 14th – 18th June, 2017)

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Weekly cumulative rainfall : 69.0mm

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/Sowing | | 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. |
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| Maize High & Mid altitude Region | Knee high to Tasseling stage | | Sowing <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
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| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, |



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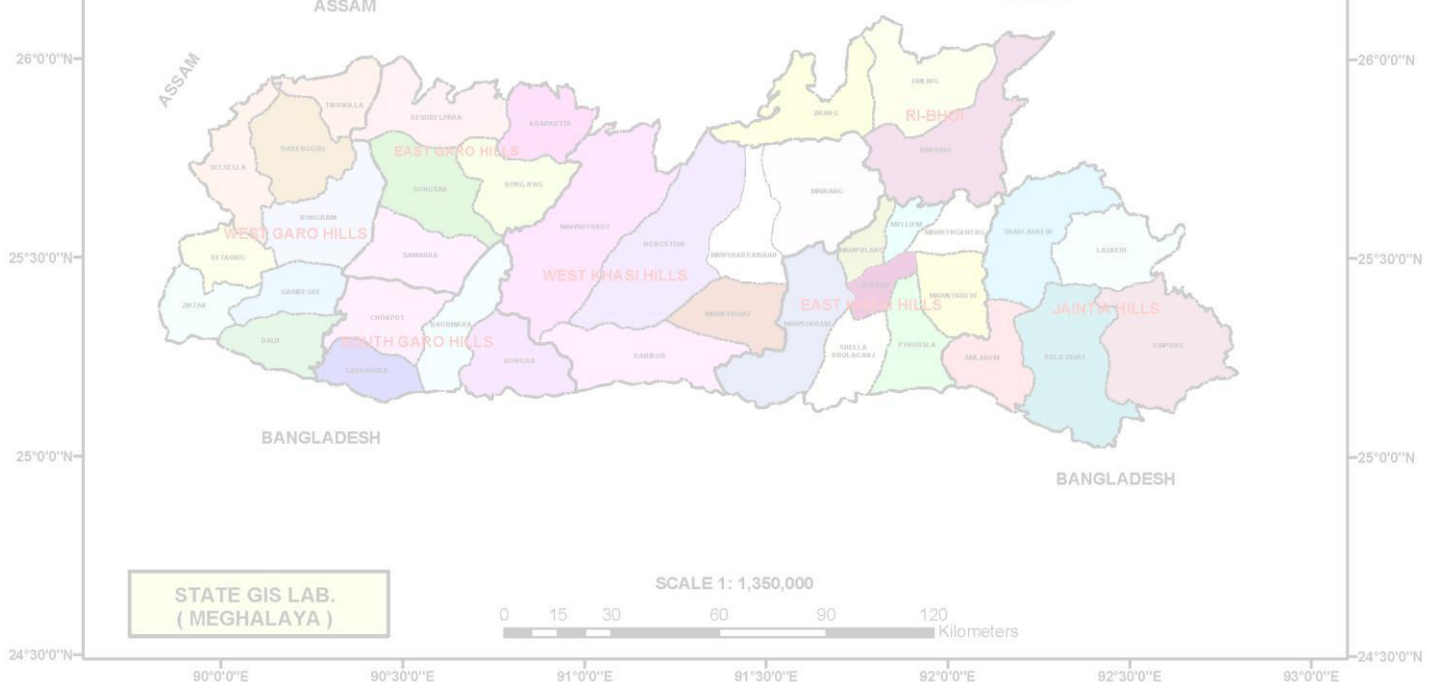
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| Fishery | | | |
| Common carp | Fry stage/Advance fry | | Fry stocking <ul style="list-style-type: none"> Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds. |
| Major Carp/Minor Carp | Brooders | | Brood stock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





Agro Advisory Bulletin – WEST GARO HILLS
(Period 14th – 18th June, 2017)

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 64.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 21-23°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 95-98%, Minimum RH: 58-79%, Wind speed: 4-6 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 64.0mm

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 |
|--|--|------------------------------|---|
| <p>Sali/Kharif Rice</p> | <p>Nursery/Main field preparation/Sowing</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><u>Sowing</u></p> <ul style="list-style-type: none"> Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| <p>Maize High & Mid altitude Region</p> | <p>Knee high to Tasseling stage</p> | <p>Shoot Fly, Stem borer</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. Destroy the infested plant parts & stem. If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |



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| | | | |
|--------------------------------|-------------------|--|--|
| 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. 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. Observe your field for presence of tomato pinworm (<i>Tula absoluta</i>) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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) + Benomyl (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. |
| | | | <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. |
| | | | <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. |
| | | | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. |
| Cattle & Buffaloes | 6-9 months calves | | <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> |



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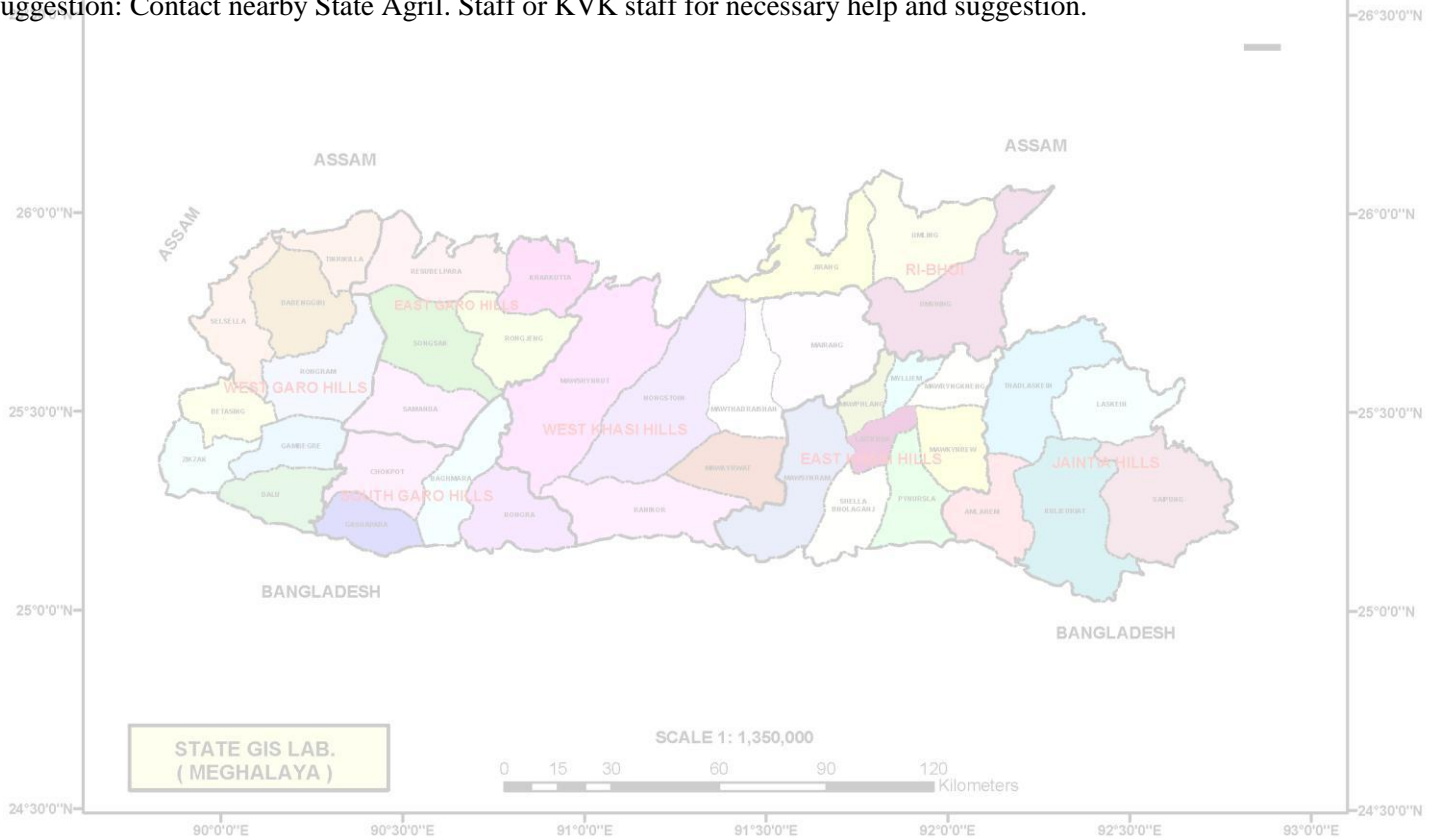
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|-----------------------|-----------------------|---|---|
| | | Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter | cotton strain-19 @ 5ml subcutaneous on the neck <ul style="list-style-type: none"> Undertake regular immunization of cattle & 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 | | 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.





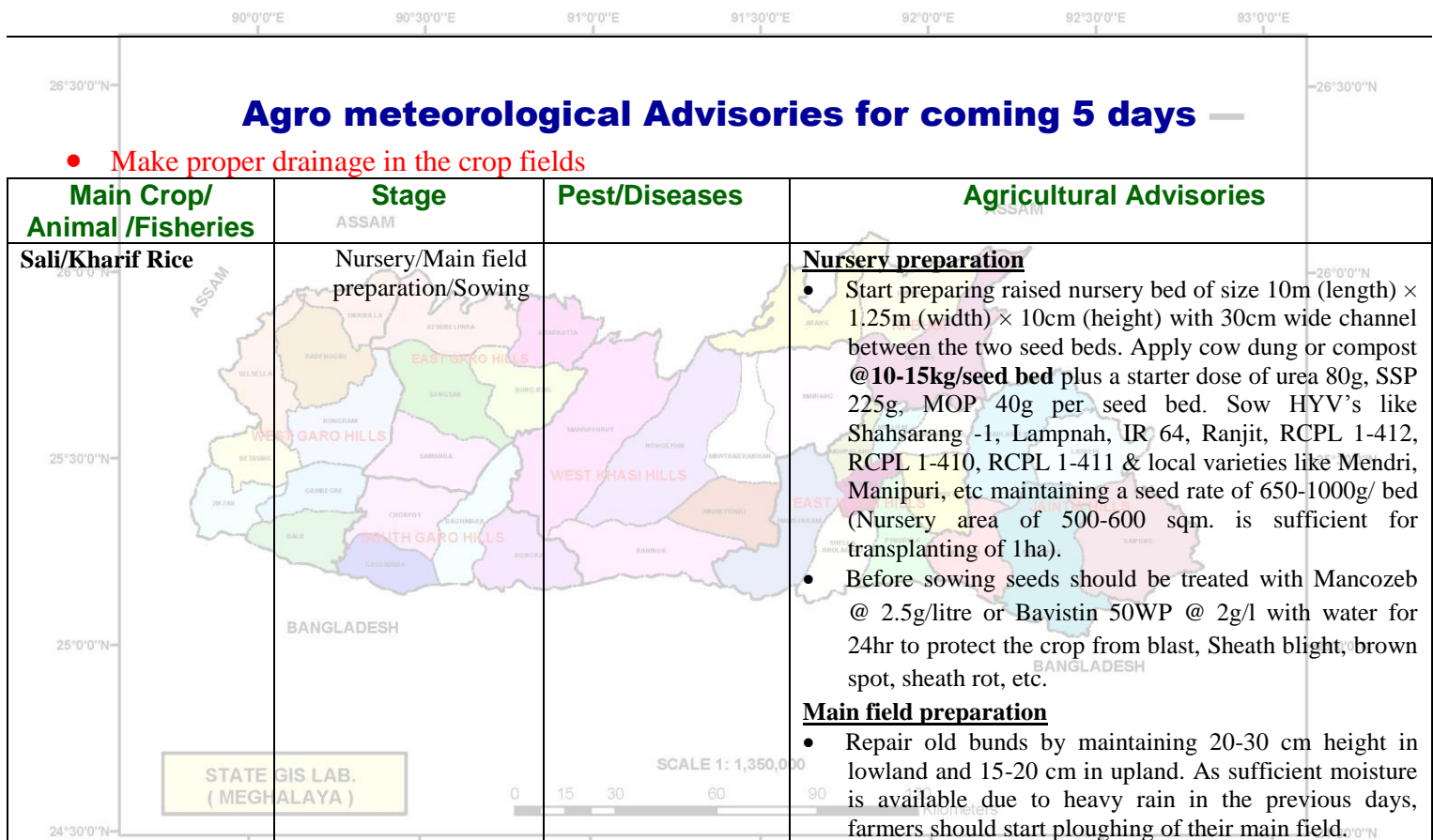
Agro Advisory Bulletin – WEST JAINTIA HILLS **(Period 14th – 18th June, 2017)**

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 87.0mm for the next five days. Maximum Temp: 21-23°C, Minimum Temp: 17-19°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 94-99%, Minimum RH: 48-94%, Wind speed: 2 Kmph, Wind direction: Southeastern.

Weekly cumulative rainfall : 87.0mm

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/Sowing | | <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. <p>Sowing</p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| Maize High & Mid altitude Region | Knee high to Tasseling 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. |
| | | Shoot Fly, Stem borer | <ul style="list-style-type: none"> • Destroy the infested plant parts & stem. • If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, |



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| | | | | |
|--------------------------------|------------------|--|--|--|
| | | | <ul style="list-style-type: none"> 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. | |
| 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. Observe your field for presence of tomato pinworm (<i>Tula absoluta</i>) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. | |
| 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. | |



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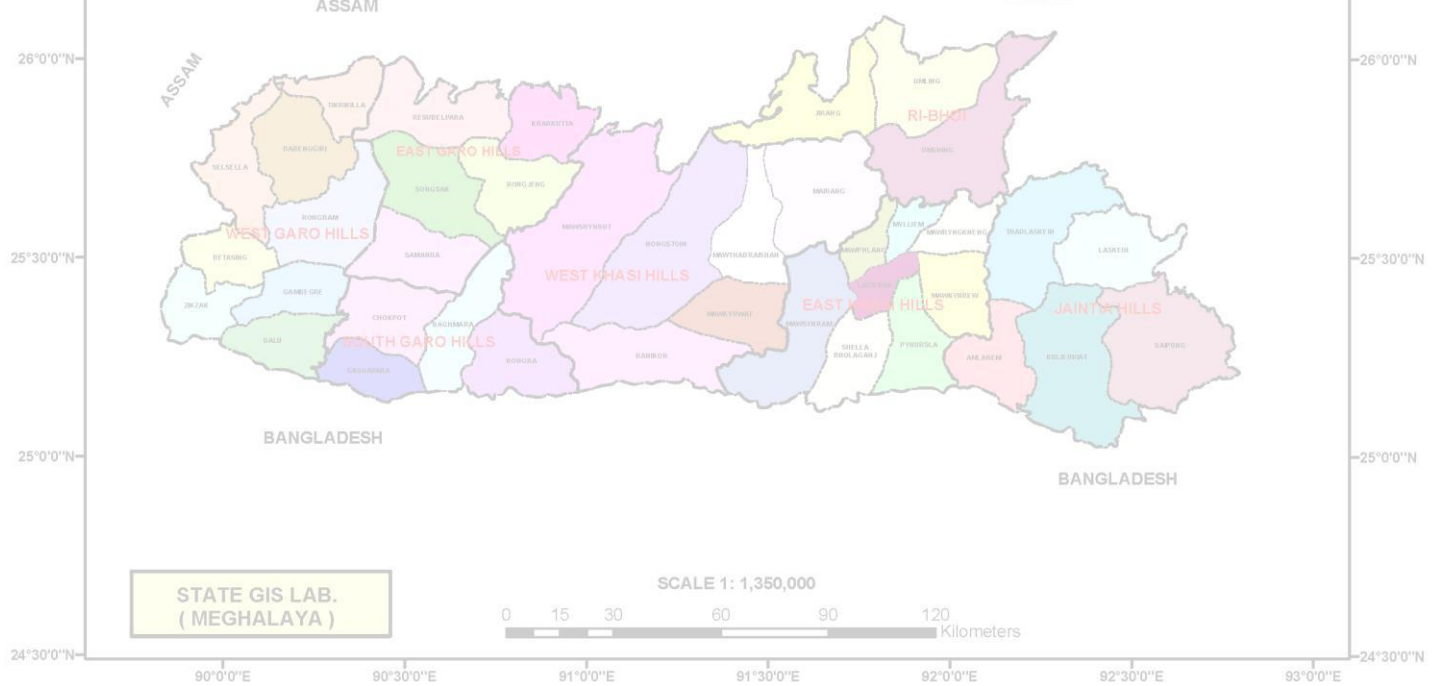
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|-------------------------------|-----------------------|--|---|
| | | | <ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| Cattle & Buffaloes | 6-9 months calves | Skin infection Brucellosis | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. 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 | | 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.



STATE GIS LAB.
(MEGHALAYA)



Agro Advisory Bulletin – WEST KHASI HILLS (Period 14th – 18th June, 2017)

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 85.0mm for the next five days. Maximum Temp: 19-20°C, Minimum Temp: 16-17°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 95-99%, Minimum RH: 51-93%, Wind speed: 3-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 85.0mm

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/Sowing | | 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. Sowing <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| Maize High & Mid altitude Region | Knee high to Tasseling stage | Shoot Fly, Stem borer | <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. • Destroy the infested plant parts & stem. • If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, |



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|--------------------------------|------------------|------------------|--|
| | | | <ul style="list-style-type: none"> 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. |
| 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. Observe your field for presence of tomato pinworm (<i>Tula absoluta</i>) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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. |



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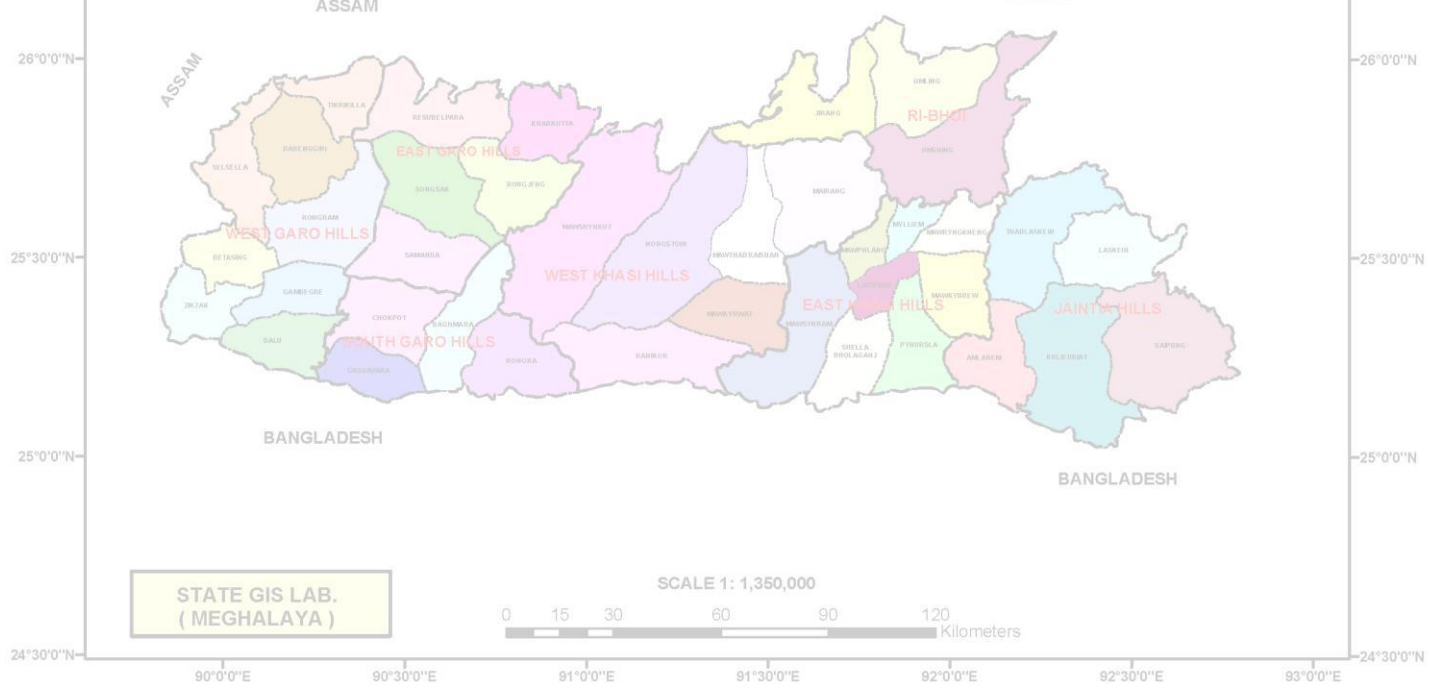
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| | | | <ul style="list-style-type: none"> • Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| Cattle & Buffaloes | 6-9 months calves | Skin infection Brucellosis | <ul style="list-style-type: none"> • Provide Ivermectin (Injection) @ 10mg/33kg body wt. • 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 – East Garo Hills **(Period 14th – 18th June, 2017)**

Weather summary of the past five days

Weather forecast valid up to 18th June, 2017

Sky was partly cloudy with 62.0mm rainfall. Maximum temperatures ranged between 30-33°C and minimum ranged between 22-24°C. Relative humidity was 88-96% in morning and 46-67% in evening. Wind speed ranged between: 4-5 kmph.

The possibility of Rainfall is 63.0mm for the next five days. Maximum Temp: 28-32°C, Minimum Temp: 19-22°C, Cloud cover: sky will be mainly cloudy i.e. 4-6 Okta, Maximum RH: 95-98%, Minimum RH: 55-87%, Wind speed: 4-6 Kmph, Wind direction: East-Southeast.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 63.0mm

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/Sowing | | <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><u>Sowing</u></p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| Maize High & Mid altitude Region | Knee high to Tasseling 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 |



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ICAR Research Complex for NEH Region

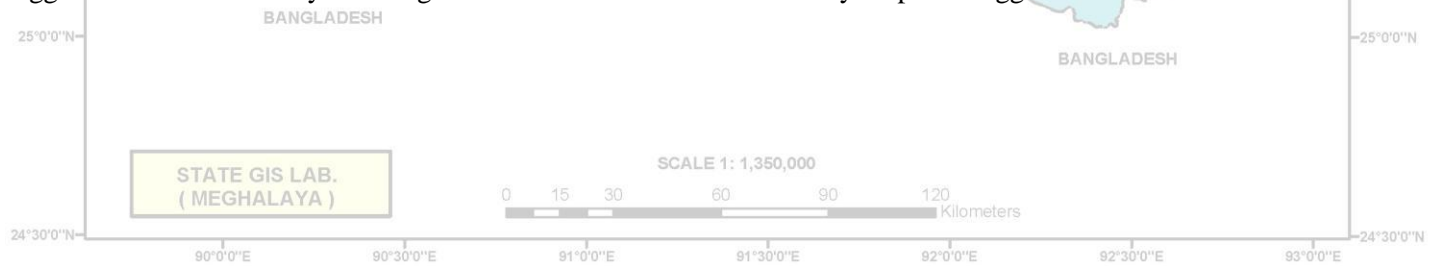
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| | | | |
|-------------------------------|-----------------------|---|---|
| | | | measure against coccidiosis. |
| | | Ranikhet disease | <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 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>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 – EAST JAINTIA HILLS
(Period 14th – 18th June, 2017)

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 99.0mm for the next five days. Maximum Temp: 21-23°C, Minimum Temp: 17-18°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 94-99%, Minimum RH: 51-94%, Wind speed: 2 Kmph, Wind direction: Southeastern.

Weekly cumulative rainfall : 99.0mm

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/Sowing | | <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><u>Sowing</u></p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| | | | <p>Maize High & Mid altitude Region</p> |
| Bottle Gourd | Vegetative stage | | <ul style="list-style-type: none"> • Mulching with locally available materials like straw, |



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| | | | <ul style="list-style-type: none"> 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. |
| 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. Observe your field for presence of tomato pinworm (Tula absoluta) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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. |
| | | | <ul style="list-style-type: none"> Coccidiosis 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. |
| | | | <ul style="list-style-type: none"> Ranikhet disease 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. |



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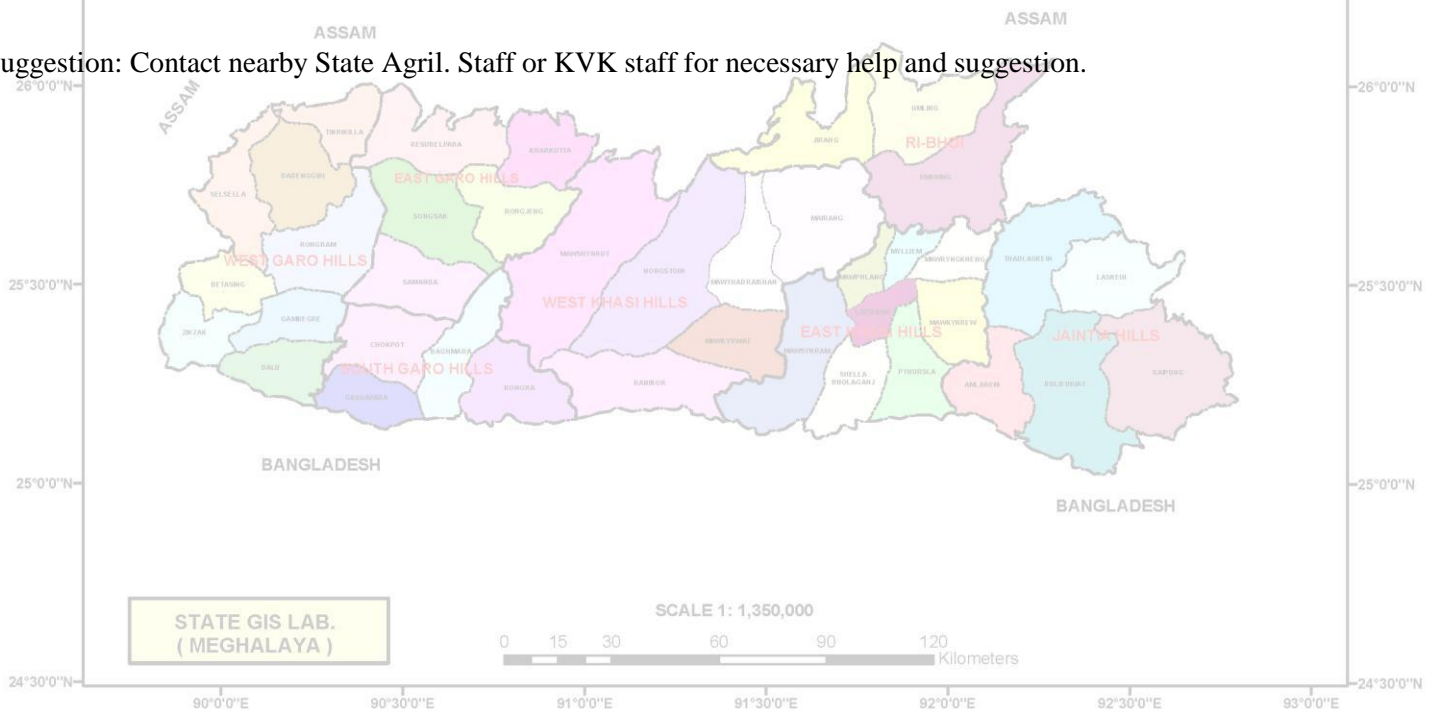
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| | | | <ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| Cattle & Buffaloes | 6-9 months calves | Skin infection Brucellosis | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. 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 – EAST KHASI HILLS
(Period 14th – 18th June, 2017)

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 105.0mm for the next five days. Maximum Temp: 20-21°C, Minimum Temp: 16-17°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 92-99%, Minimum RH: 49-92%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 105.0mm 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/Sowing | | <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. <p>Sowing</p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| Maize High & Mid altitude Region | Knee high to Tasseling stage | Shoot Fly, Stem borer | <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. • Destroy the infested plant parts & stem. • If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl of plant. |



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| 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. 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. Observe your field for presence of tomato pinworm (<i>Tuta absoluta</i>) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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. |
| | | | <ul style="list-style-type: none"> Coccidiosis 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. |
| | | | <ul style="list-style-type: none"> Ranikhet disease 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 |



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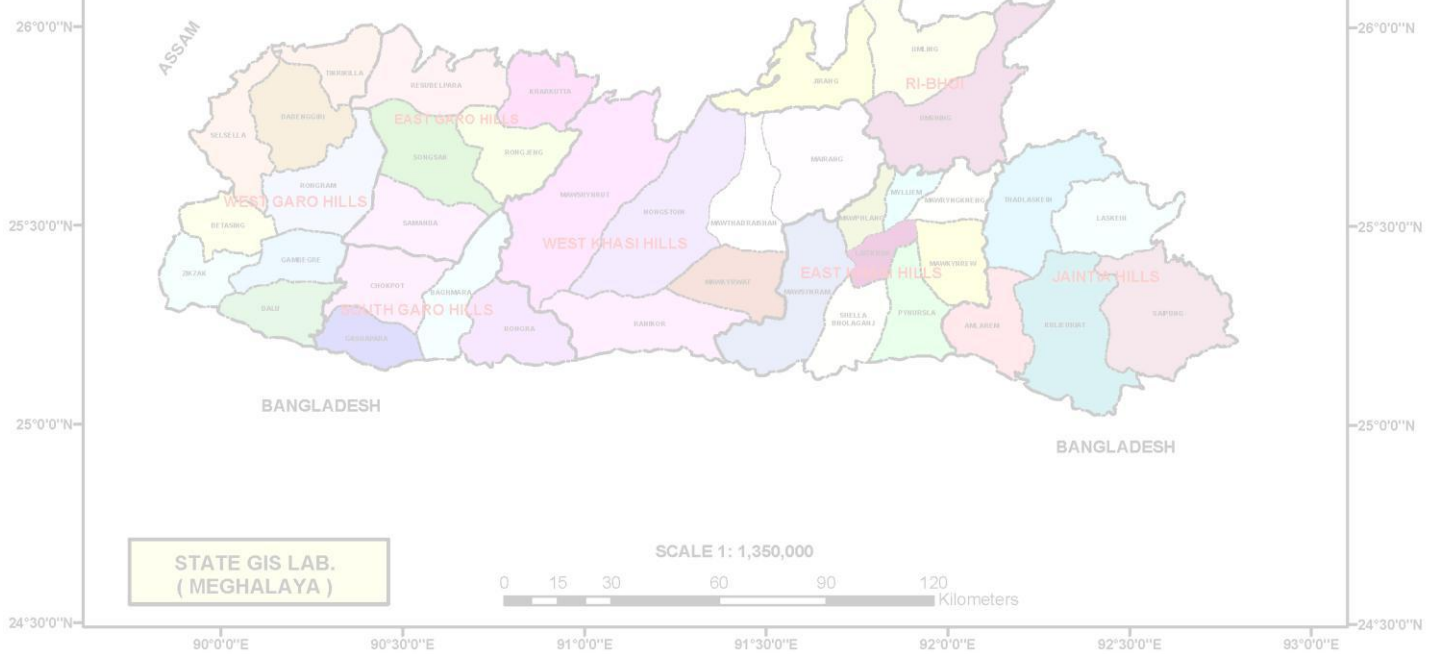
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| | | | <p>FMD vaccine once in a year.</p> <ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. |
| Cattle & Buffaloes | 6-9 months calves | <p>Skin infection</p> <p>Brucellosis</p> | <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck |
| | | <p>Foot & Mouth Disease,</p> <p>Haemorrhagic Septicaemia, Black Quarter</p> | <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 – NORTH GARO HILLS **(Period 14th – 18th June, 2017)**

Weather forecast valid up to 18th June, 2017

The possibility of Rainfall is 69.0mm for the next five days. Maximum Temp: 29-30°C, Minimum Temp: 19-21°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 94-99%, Minimum RH: 52-92%, Wind speed: 3-4 Kmph, Wind direction: East-South.

Weekly cumulative rainfall : 69.0mm

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/Sowing | | <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 Shansarang -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><u>Sowing</u></p> <ul style="list-style-type: none"> • Sowing of seeds in nursery bed can be done as there is probability of moderate rainfall in the coming week. |
| Maize High & Mid altitude Region | Knee high to Tasseling stage | Shoot Fly, Stem borer | <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. • Destroy the infested plant parts & stem. • If shoot fly incidence is severe in maize, than apply Carbofuran 3G granules@ 2-3 granule to each whorl |



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| | | | of plant. |
| 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. 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. Observe your field for presence of tomato pinworm (Tula absoluta) & destroy the infested plants immediately to prevent further damage. Initiate management, if the incidence is highly. |
| 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. |



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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 | | 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.

