



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"> 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. 	
			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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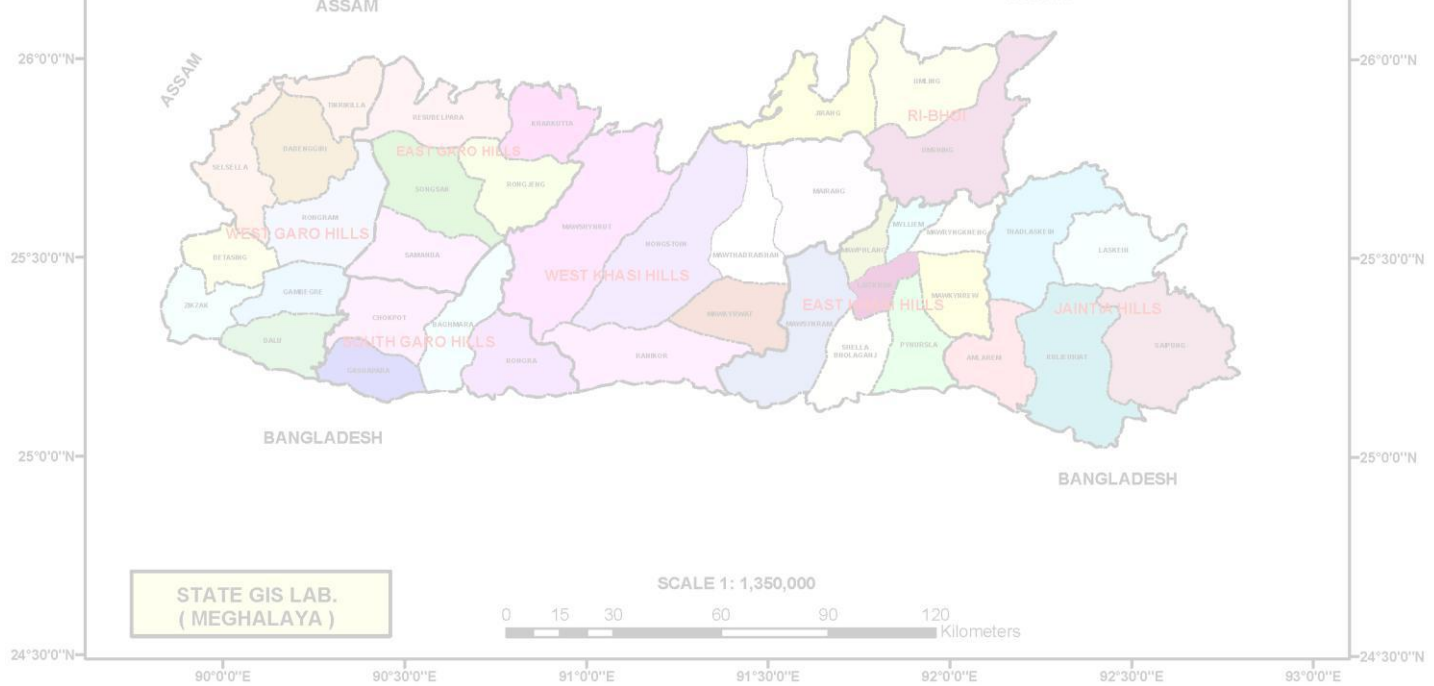
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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 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 – WEST GARO HILLS (Period 17th – 21st June, 2017)

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 106.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 22-23°C, Cloud cover: sky will be mainly cloudy i.e. 6-7 Okta, Maximum RH: 94-98%, Minimum RH: 66-88%, Wind speed: 2-5 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 106.0mm 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/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.
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. 	
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. 	
			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		<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> 	



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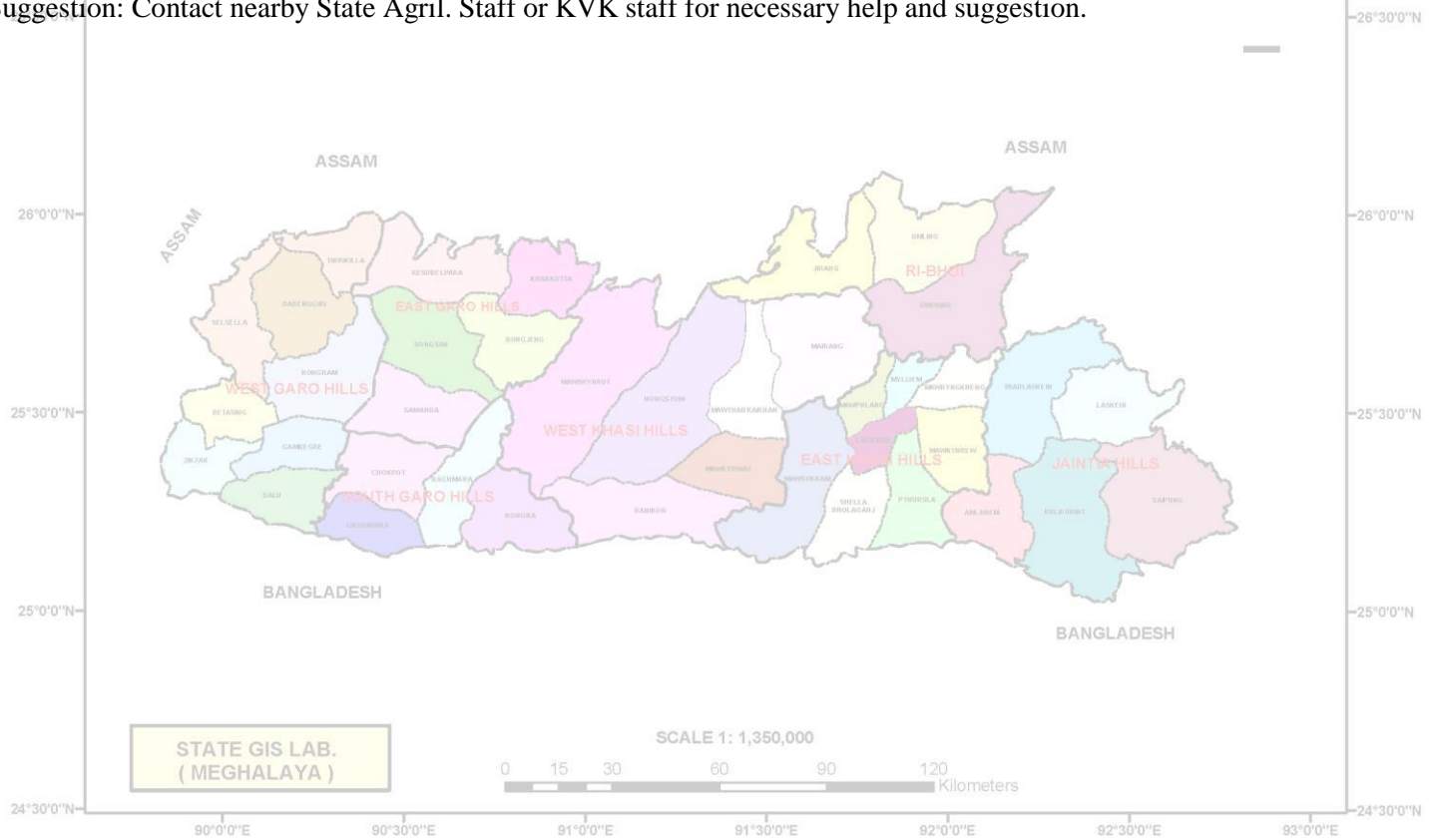
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		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	cotton strain-19 @ 5ml subcutaneous on the neck <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & 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 17th – 21st June, 2017)**

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 136.0mm for the next five days. Maximum Temp: 25-28°C, Minimum Temp: 18-20°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 96-99%, Minimum RH: 64-91%, Wind speed: 2-4 Kmph, Wind direction: East- Southeast.

Weekly cumulative rainfall : 136.0mm 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 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. 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 (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. 	
			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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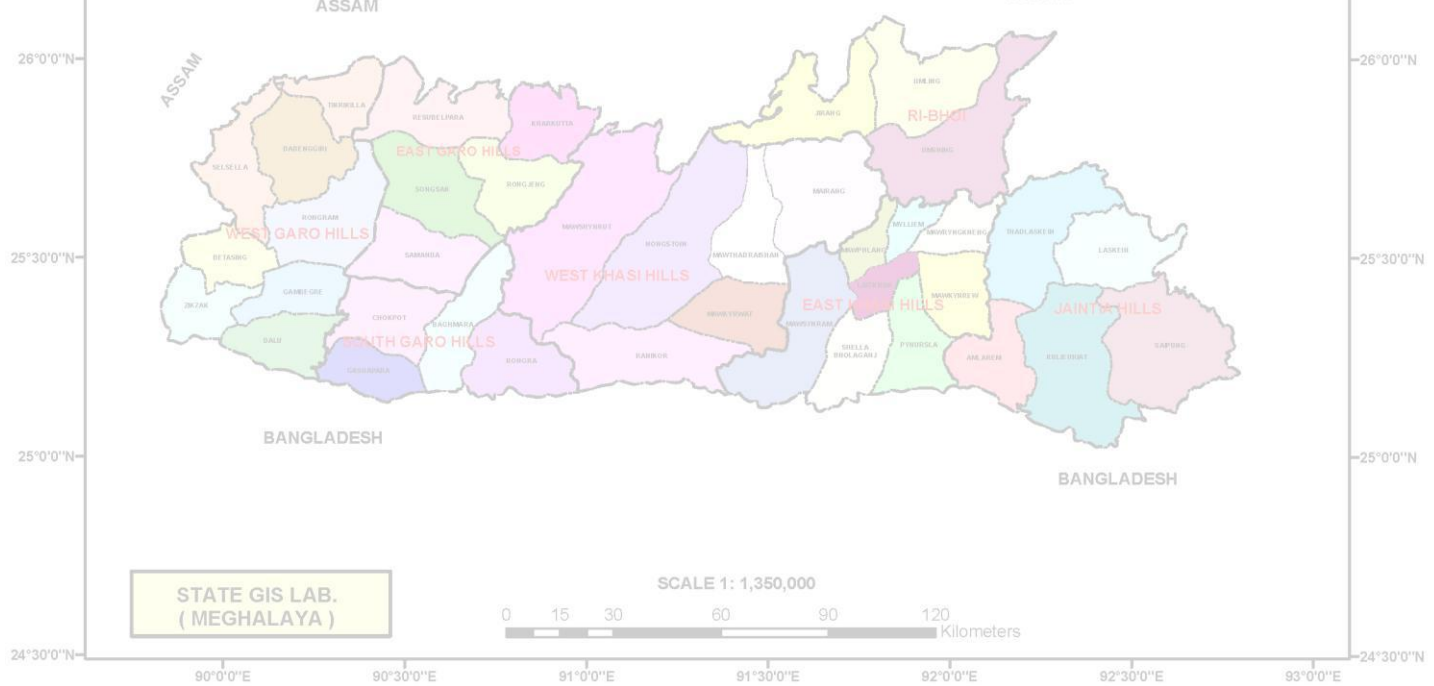
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			<ul style="list-style-type: none"> • Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul style="list-style-type: none"> • Provide Ivermectin (Injection) @ 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 – WEST KHASI HILLS (Period 17th – 21st June, 2017)

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 138.0mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 15-17°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 97-99%, Minimum RH: 76-89%, Wind speed: 4 Kmph, Wind direction: Northeast-South.

Weekly cumulative rainfall : 138.0mm 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 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. 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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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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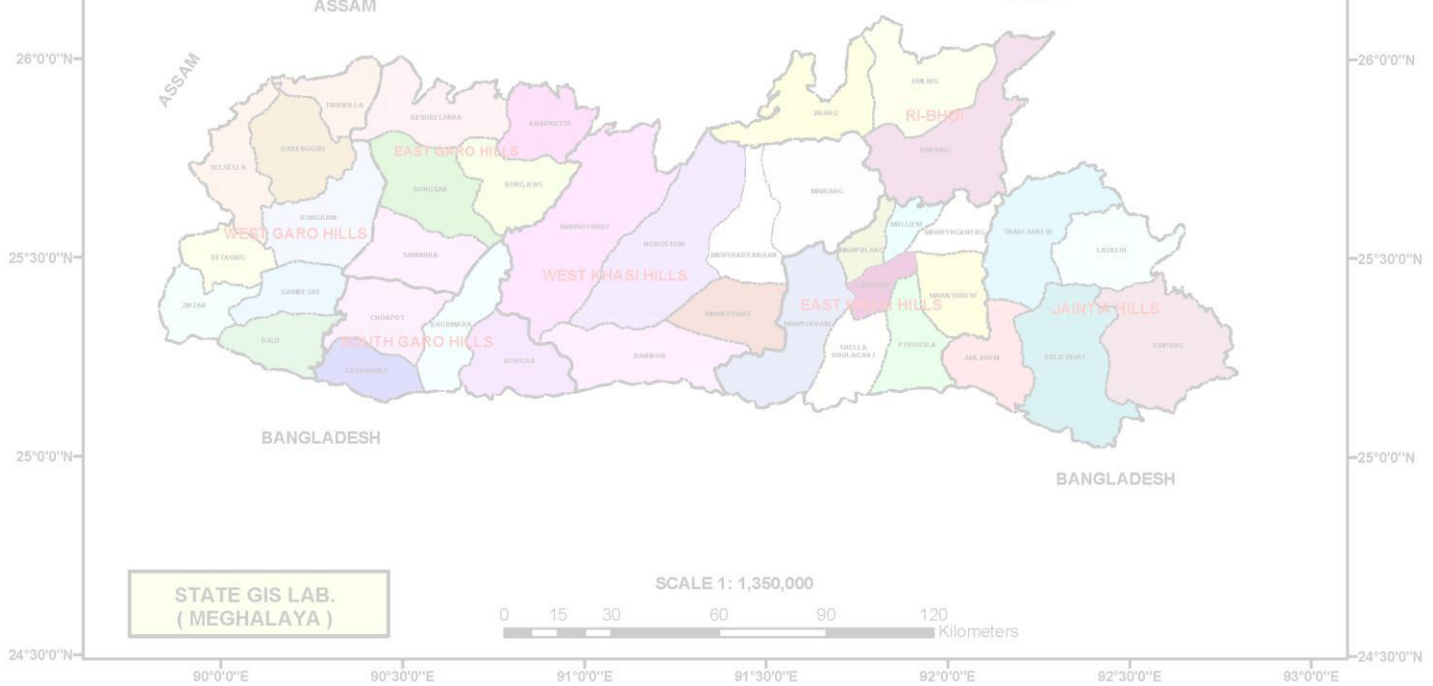
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Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt. Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
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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 17th – 21st June, 2017)**

Weather summery of the past five days

Weather forecast valid up to 21st June, 2017

Sky was partly cloudy with 63.0mm rainfall. Maximum temperatures ranged between 28-32°C and minimum ranged between 19-22°C. Relative humidity was 95-98% in morning and 55-87% in evening. Wind speed ranged between: 4-6 kmph.

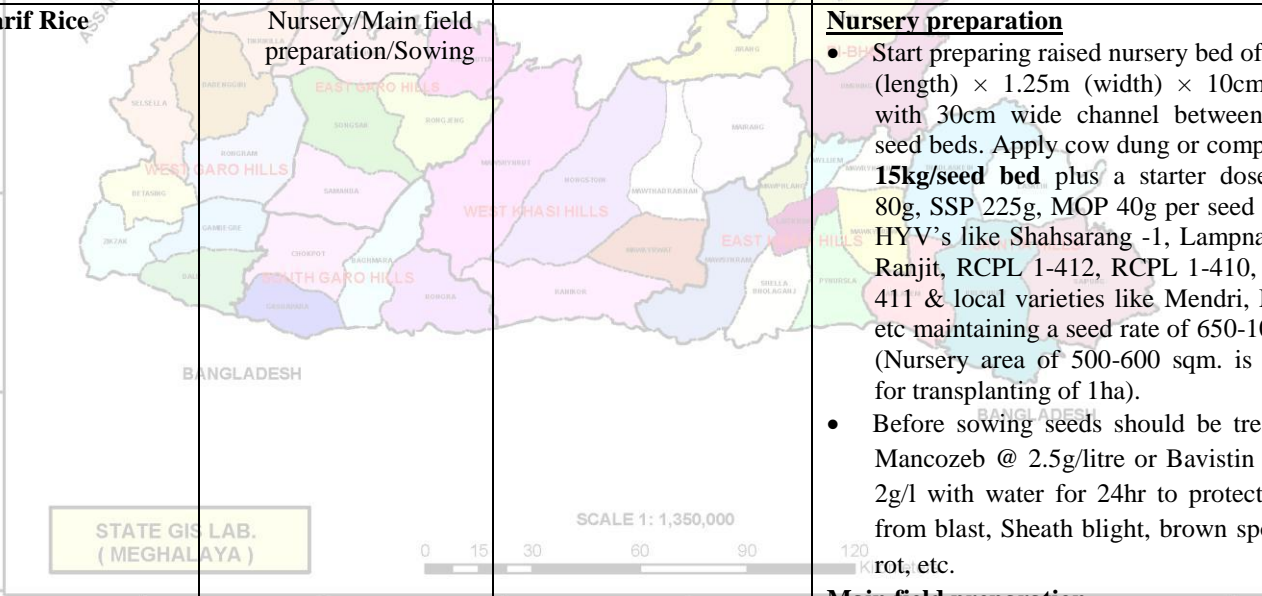
The possibility of Rainfall is 93.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 21-22°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 97-98%, Minimum RH: 72-89%, Wind speed: 3-5 Kmph, Wind direction: Northeast-South.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 93.0mm

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/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 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.
<p>Maize High & Mid altitude Region</p>	<p>Knee high to Tasseling 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



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		Shoot Fly, Stem borer	<p>in between the rows to reduce evaporation loses of moisture.</p> <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 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.
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	STATE GIS LAB. (MEGHALAYA)	All stages	<p>SCALE 1: 1,350,000</p> <p>0 15 30 60 90 120 Kilometers</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



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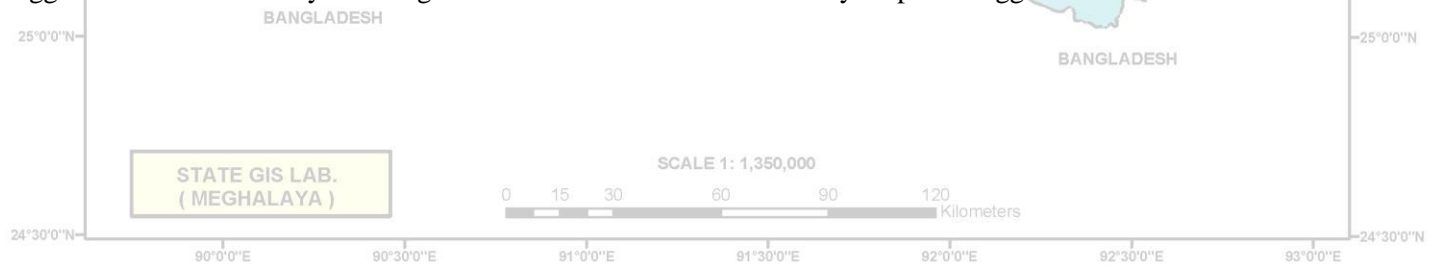
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		Ranikhet disease	<p>measure against coccidiosis.</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: 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.
		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.
Major Carp/Minor Carp	Brooders		<p style="text-align: center;">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 17th – 21st June, 2017)

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 108.0mm for the next five days. Maximum Temp: 25-28°C, Minimum Temp: 18-20°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 97-99%, Minimum RH: 59-90%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 108.0mm

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>Shoot Fly, Stem borer</p> <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.
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.
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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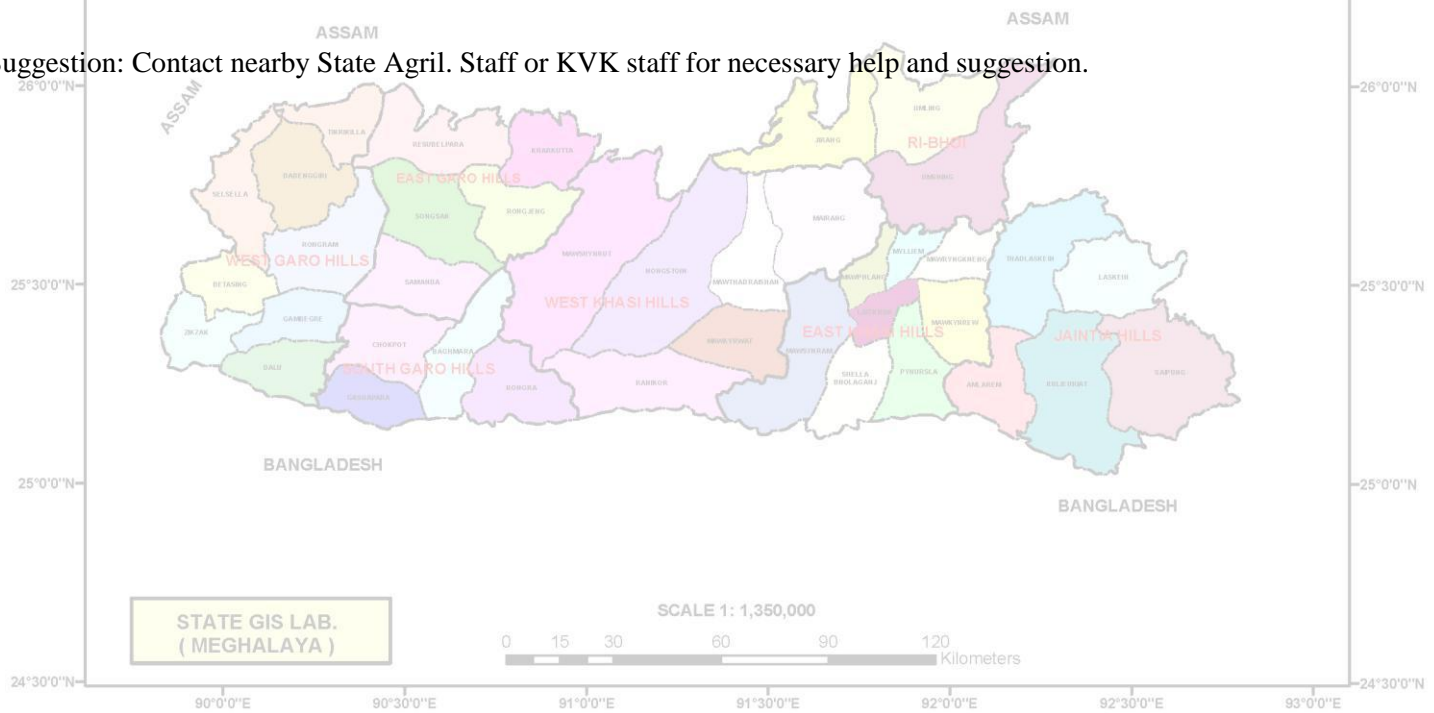
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			<ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 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 17th – 21st June, 2017)

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 139.0mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 15-17°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 96-99%, Minimum RH: 68-89%, Wind speed: 4-5 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 139.0mm 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>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 	



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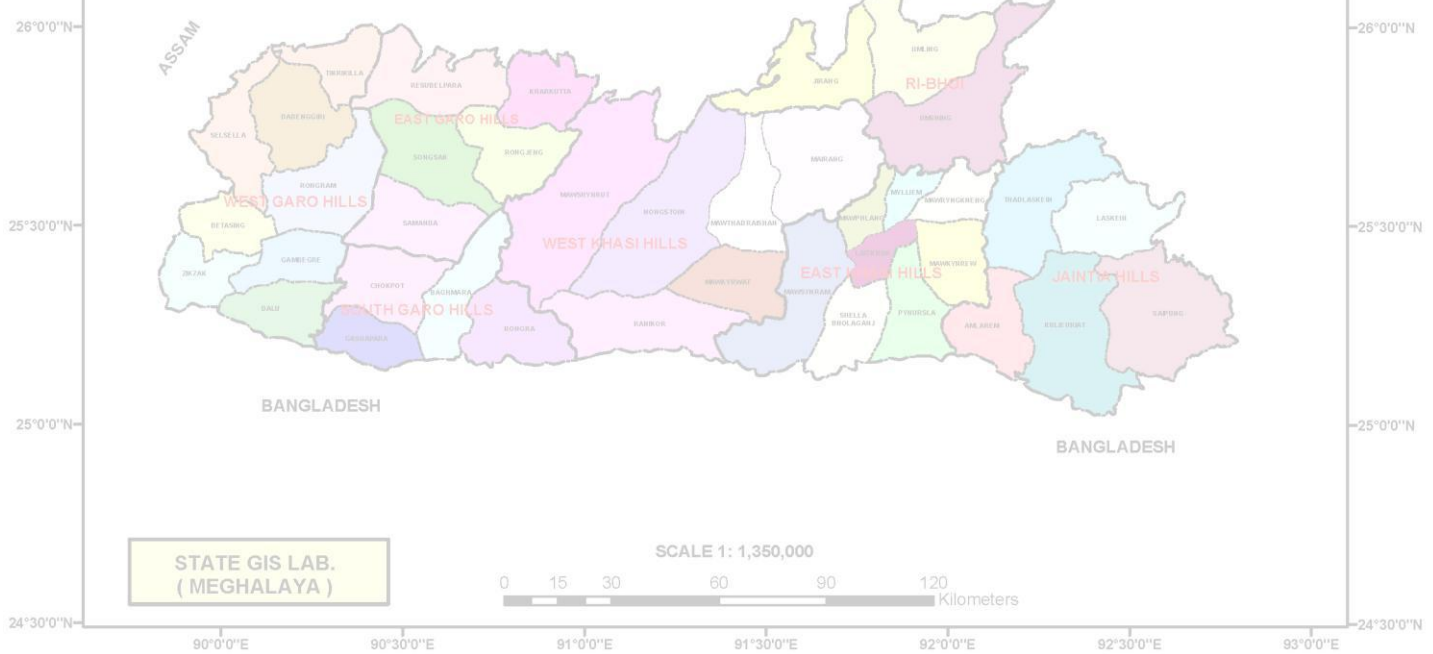
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			<p>FMD vaccine once in a year.</p> <ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
Cattle & Buffaloes	6-9 months calves	<p>Skin infection</p> <p>Brucellosis</p>	<ul style="list-style-type: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



STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000

0 15 30 60 90 120 Kilometers



Agro Advisory Bulletin – NORTH GARO HILLS (Period 17th – 21st June, 2017)

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 95.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 97-98%, Minimum RH: 68-90%, Wind speed: 3-4 Kmph, Wind direction: Northeast-Southwest.

Weekly cumulative rainfall : 95.0mm

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 DAPA 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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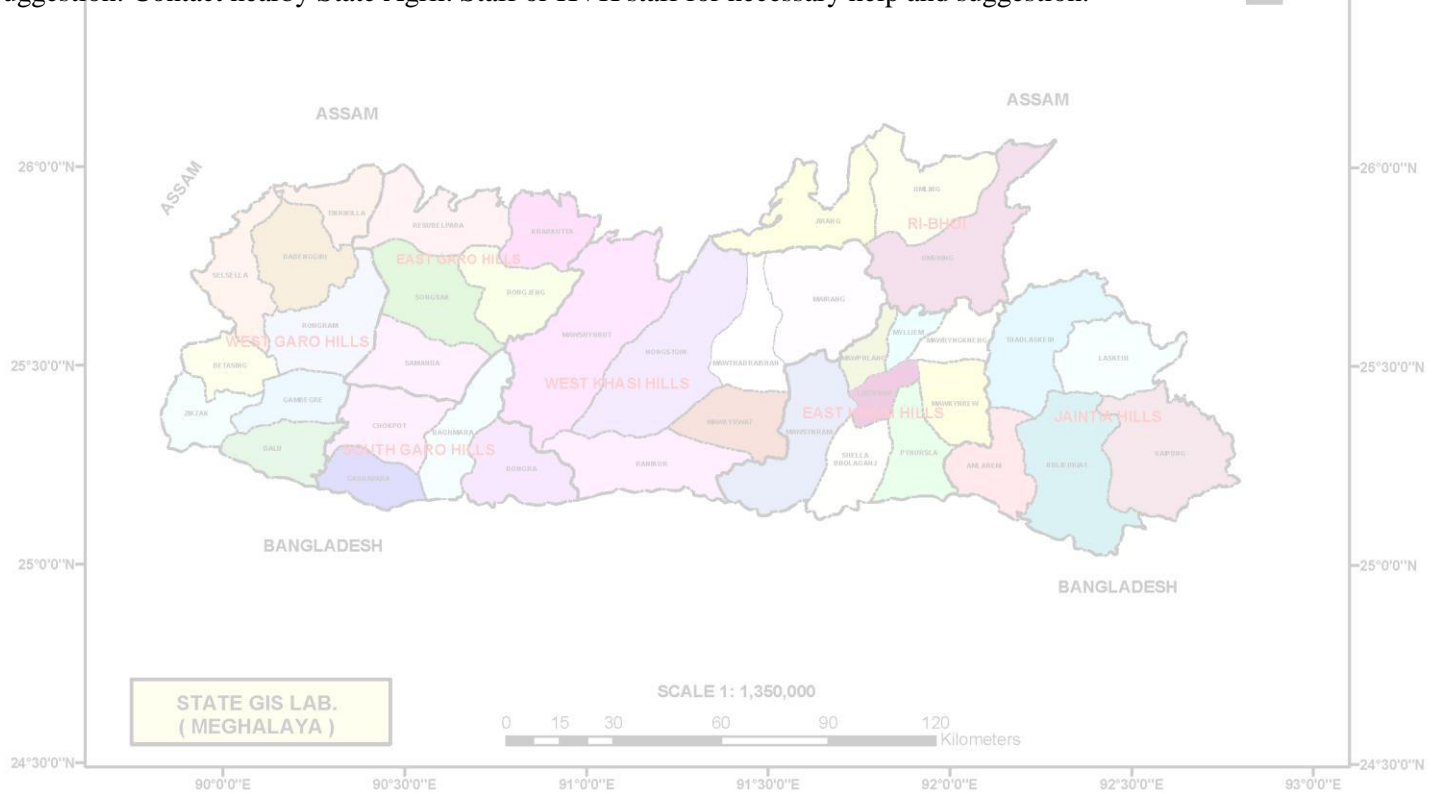
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Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black 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.





Agro Advisory Bulletin – Ri-Bhoi (Period 17th – 21st June, 2017)

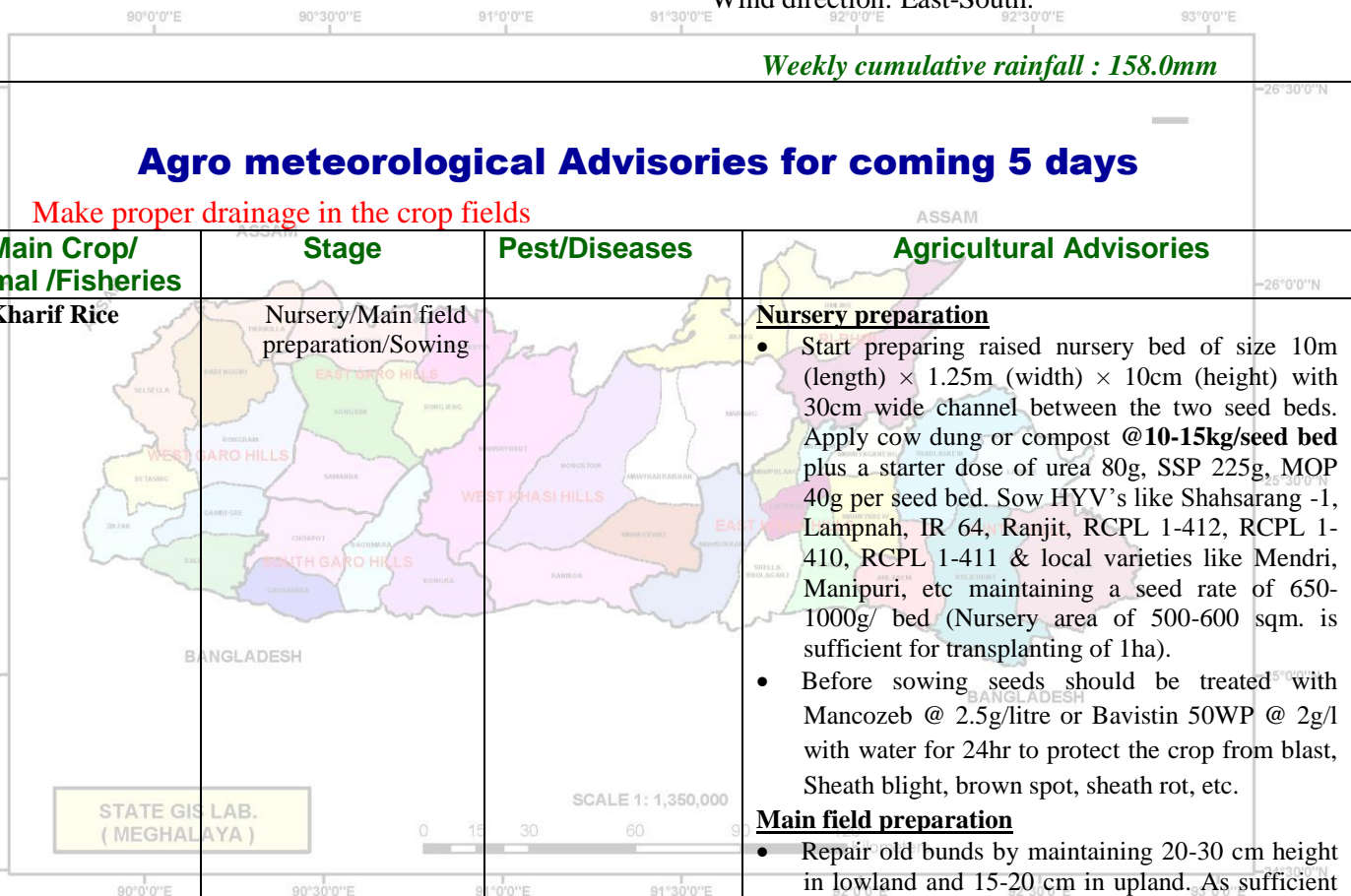
Weather summary of the past four days

Weather forecast valid up to 21st June, 2017

Sky was mainly cloudy with 77.0mm of rainfall. Maximum temperatures ranged between 20.0-23.0°C and minimum ranged between 18.0 - 19.0°C. Mean relative humidity was 96-99% in morning and 46-95% in evening. Wind speed ranged between 2-3 kmph.

The possibility of Rainfall is 158.0mm for the next five days. Maximum Temp: 25.0-27.0°C, Minimum Temp: 21.0-22.0°C, Cloud cover: sky will be mainly cloudy i.e. 6-7 Okta, Maximum RH: 98-99%, Minimum RH: 74-88%, Wind speed: 2-3 Kmph, Wind direction: East-South.

C & RD BLOCK MAP OF MEGHALAYA



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 Shaksarang -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 in between the rows to reduce evaporation losses of moisture.



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		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)
<p style="text-align: center;">STATE GIS LAB. (MEGHALAYA)</p> <p style="text-align: center;">SCALE 1: 1,350,000</p>			
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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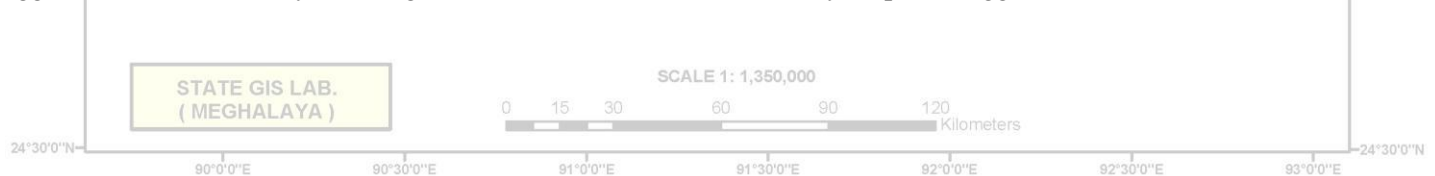
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			<ul style="list-style-type: none"> • Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> • Vaccinate the poultry birds with F1/ Lasota 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
	ASSAM	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.
Major Carp/Minor Carp	Brooders		<p style="text-align: center;">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 17th – 21st June, 2017)

Weather forecast valid up to 21st June, 2017

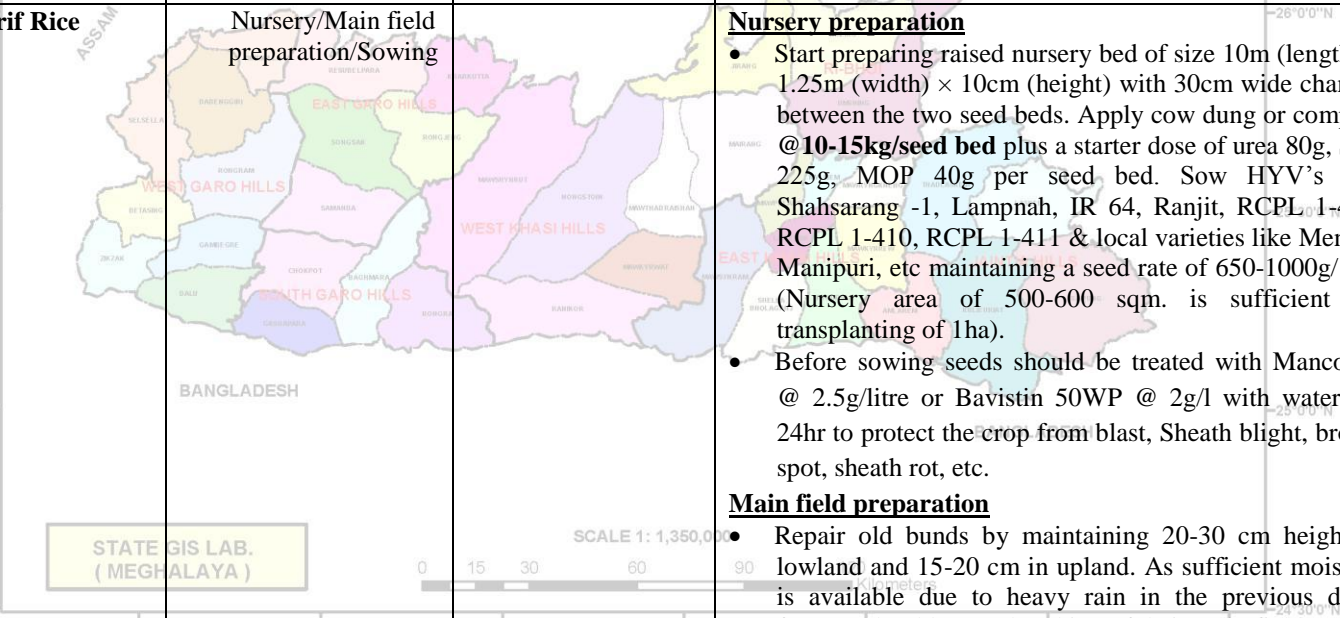
The possibility of Rainfall is 101.0mm for the next five days. Maximum Temp: 29-30°C, Minimum Temp: 21-22°C, Cloud cover: sky will be mainly cloudy i.e. 7 Okta, Maximum RH: 97-98%, Minimum RH: 76-89%, Wind speed: 3-7 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 101.0mm 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) + 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> 	



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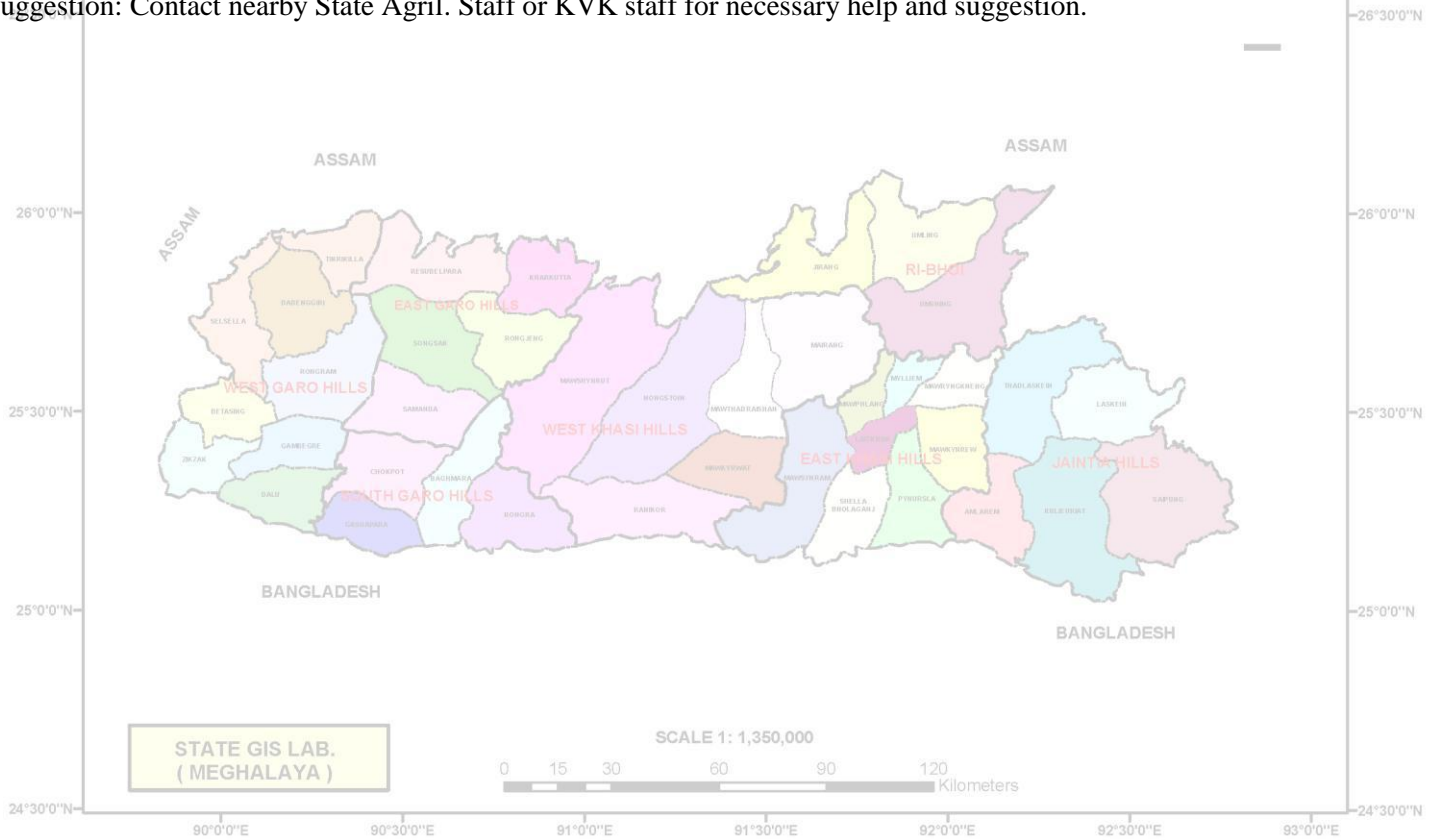
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		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	cotton strain-19 @ 5ml subcutaneous on the neck <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & 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 – SOUTH WEST GARO HILLS **(Period 17th – 21st June, 2017)**

Weather forecast valid up to 21st June, 2017

The possibility of Rainfall is 84.0mm for the next five days. Maximum Temp: 30-31°C, Minimum Temp: 22-23°C, Cloud cover: sky will be mainly cloudy i.e. 6-7 Okta, Maximum RH: 92-98%, Minimum RH: 65-83%, Wind speed: 2-5 Kmph, Wind direction: Northeast-Southwest.

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	ASS 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>



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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.
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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		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.

