



Agro Advisory Bulletin – East Garo Hills (Period 9th– 13th June, 2018)

Weather summary of the past five days

Weather forecast valid up to 13th June, 2018

Sky was partly cloudy with 70.0mm rainfall. Maximum temperatures ranged between 30-33°C and minimum ranged between 21-24°C. Relative humidity was 96-97% in morning and 64-72% in evening. Wind speed ranged between: 2-3kmph.

The possibility of Rainfall is 130.0mm for the next five days. Maximum Temp: 29-30°C, Minimum Temp: 19-22°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 7-8Okta, Maximum RH:97-99%, Minimum RH: 60-70%, Wind speed: 2-3Kmph, Wind direction: Northeast-Southeast.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall :130.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Nursery/Main field preparation		<p>Nursery preparation</p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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.
Kharif Rice (Upland)	Field preparation		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and weed free field.
Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		<ul style="list-style-type: none"> Provide support of bamboo structure for climbing upward in bottle/ash gourd. Do weeding & earthing up. Pray Rogor@1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude	Early vegetative stage		<ul style="list-style-type: none"> Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after



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Region			<ul style="list-style-type: none"> germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli&Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		<p>Trunk borer emergence:</p> <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).
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. • 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



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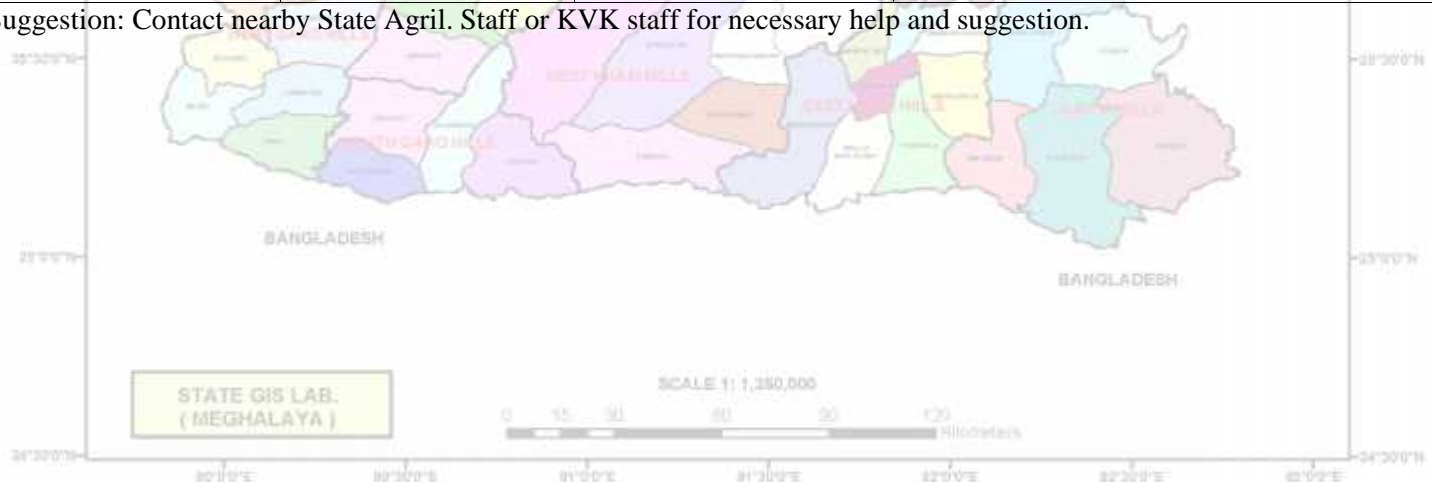
Cattle & Buffaloes	6-9 months calves	Brucellosis	body wt. <ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ CO₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.

Fishery

C & RD BLOCK MAP OF MEGHALAYA

Common Carp	Common carp breeding season	<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove prepatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – EAST JAINTIA HILLS (Period 9th – 13th June, 2018)

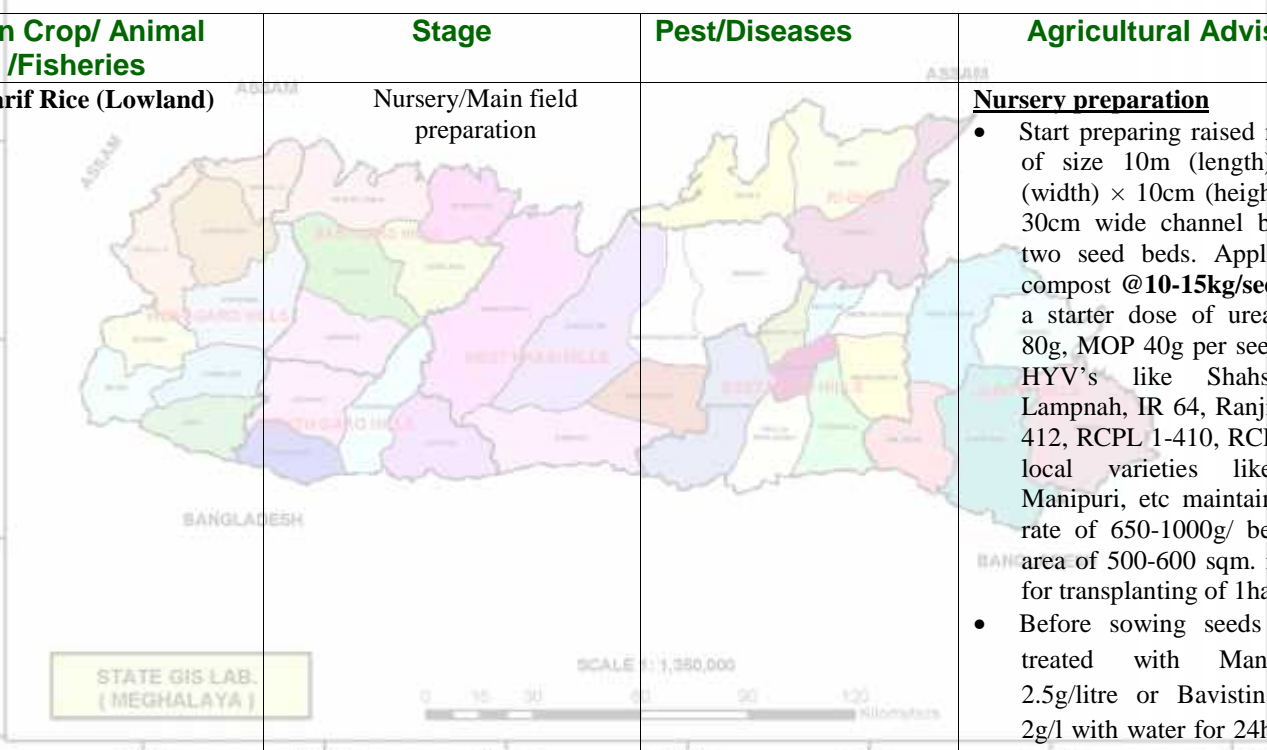
Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 130.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 18-21°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 6-8 Okta, Maximum RH: 99-100%, Minimum RH: 62-90%, Wind speed: 2-3Kmph, Wind direction: East-Southwest.

Weekly cumulative rainfall :130.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Nursery/Main field preparation		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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.
Kharif Rice (Upland)	Field preparation		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and weed free field.



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		<ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli & Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		<p>Trunk borer emergence:</p> <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. <p>Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).</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.



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			<ul style="list-style-type: none"> 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
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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ CO₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery	STATE GIS LAB. (MEGHALAYA)	SCALE 1:1,350,000	
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove prelatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow dung as manure and keep it for



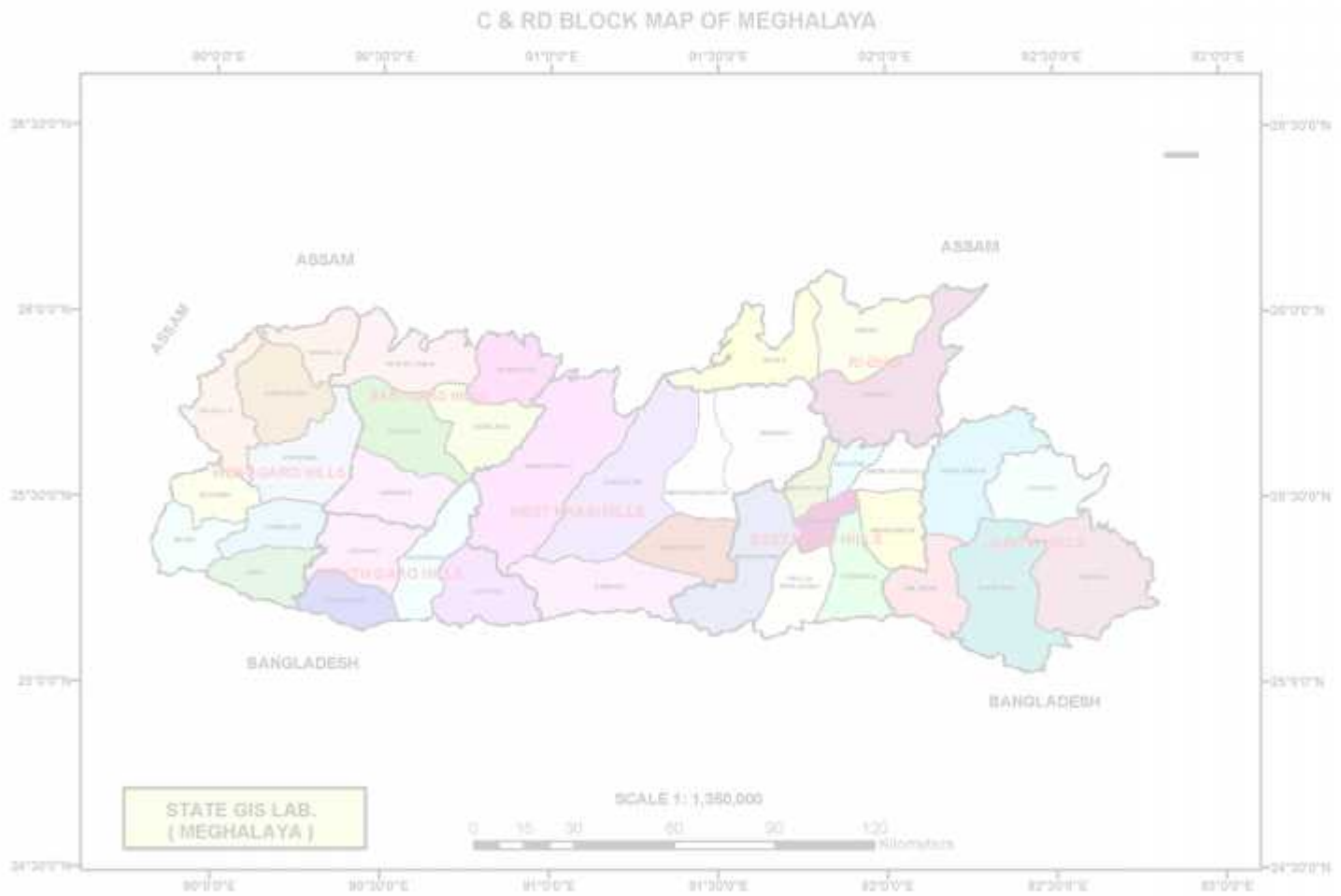
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			maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – EAST KHASI HILLS (Period 9th – 13th June, 2018)

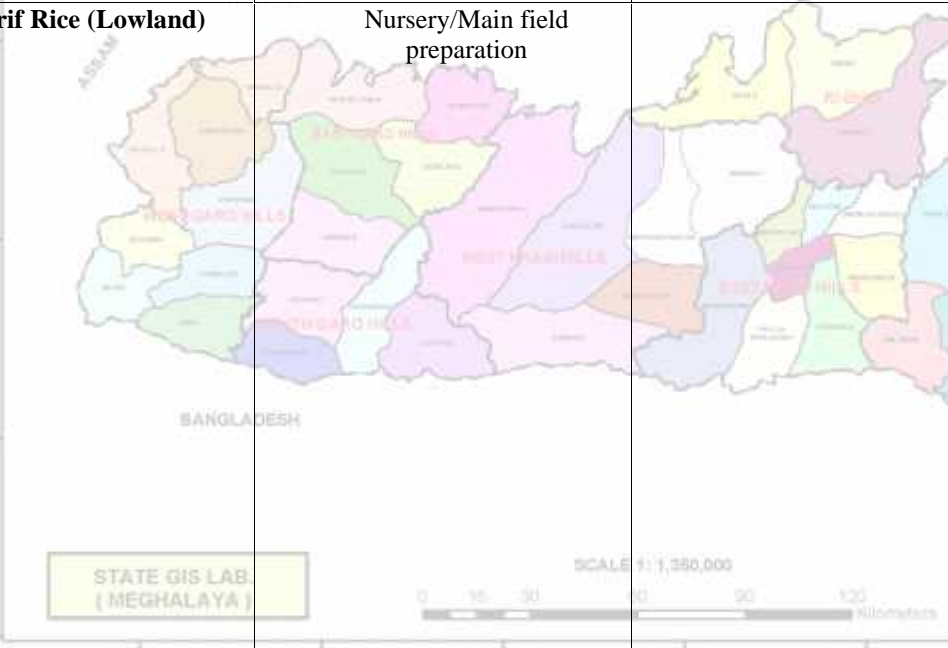
Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 100.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 16-18°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 7-8 Okta, Maximum RH: 99-100%, Minimum RH: 68-78%, Wind speed: 3-4 Kmph, Wind direction: Northeast-Southwest.

Weekly cumulative rainfall :100.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days




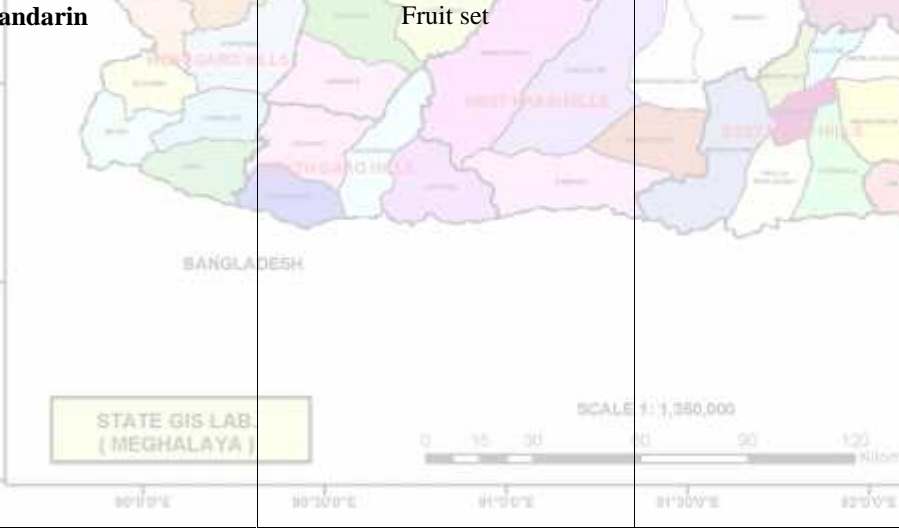
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<p>Sali/Kharif Rice (Lowland)</p> 	<p>Nursery/Main field preparation</p>		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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>Kharif Rice (Upland)</p>	<p>Field preparation</p>		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli & Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).
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



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			<ul style="list-style-type: none"> 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.
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Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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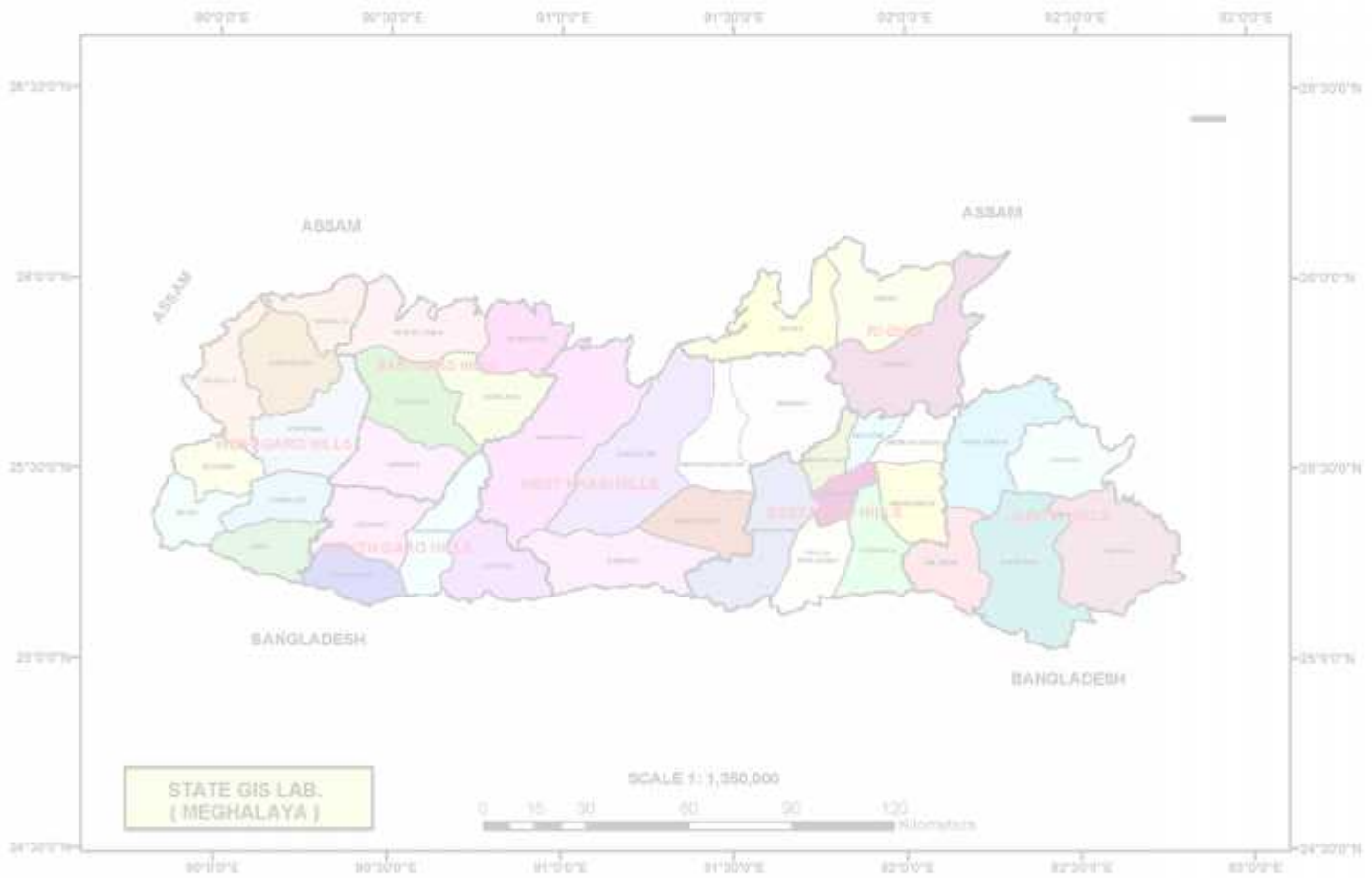


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			dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – NORTH GARO HILLS (Period 9th – 13th June, 2018)

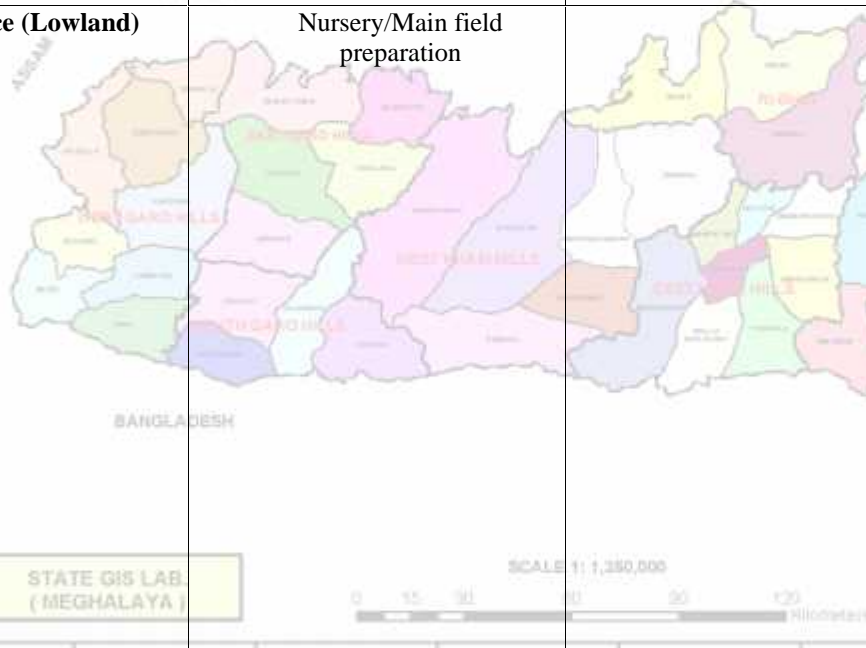
Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 100.0mm for the next five days. Maximum Temp: 29-30°C, Minimum Temp: 19-20°C, Cloud cover: sky will be mainly cloudy to cloudy i.e.7-8 Okta, Maximum RH: 95-97%, Minimum RH: 65-75%, Wind speed: 2-3Kmph, Wind direction: Northeast-South.

Weekly cumulative rainfall:100.0mm.

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days




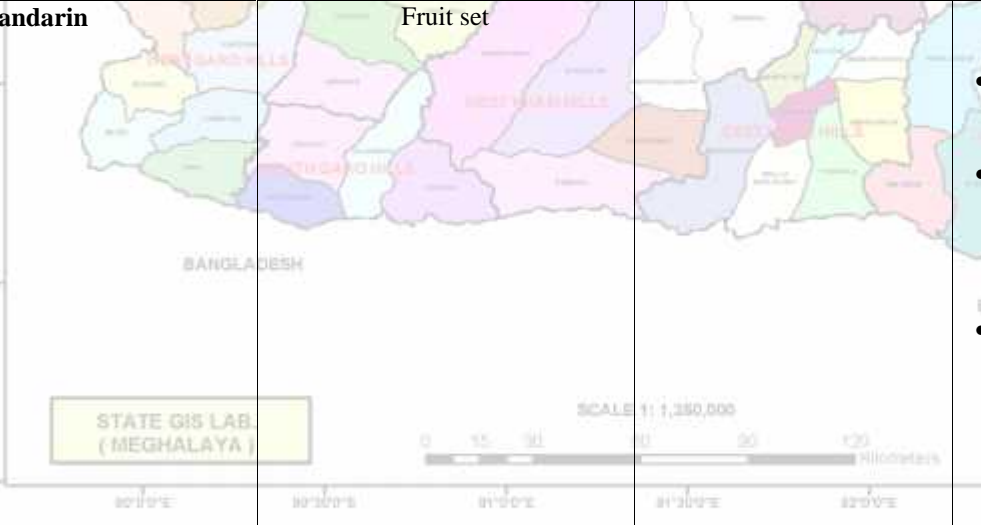
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Nursery/Main field preparation		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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.
Kharif Rice (Upland)	Field preparation		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli&Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).

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



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		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
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂CO₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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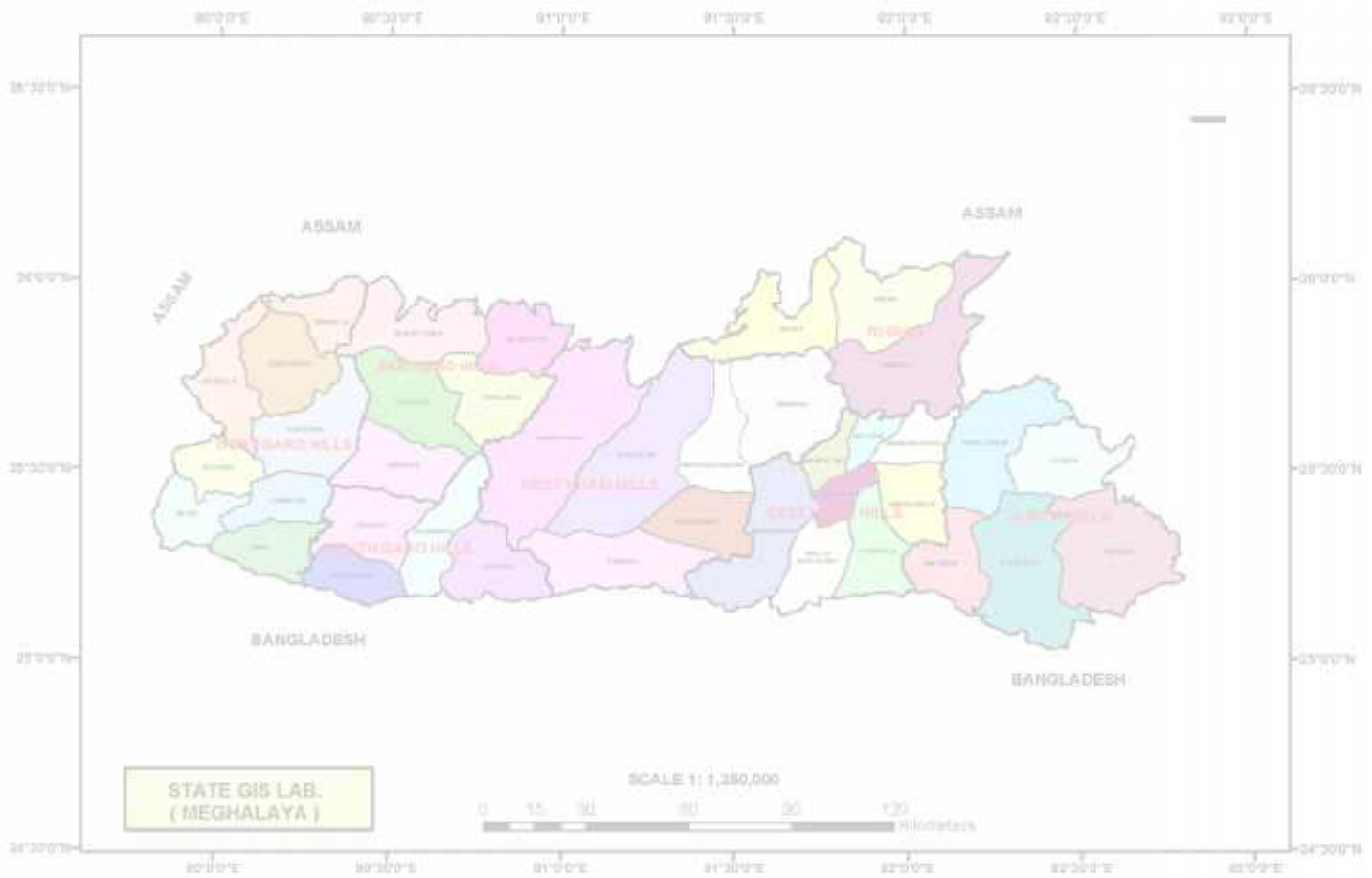


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			dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – Ri-Bhoi (Period 9th – 13th June, 2018)

Weather summary of the past fourdays

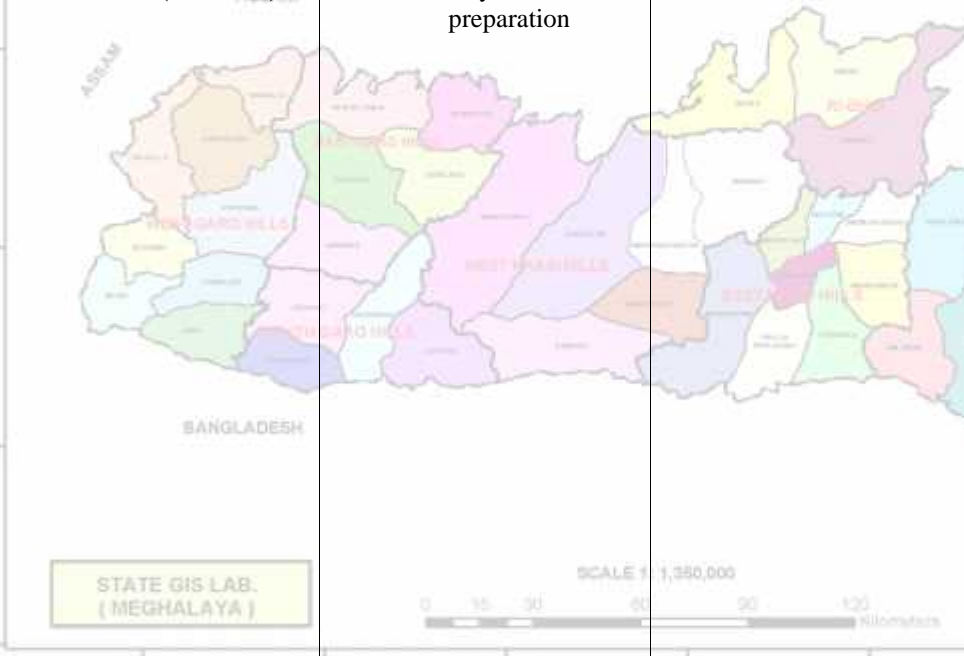
Sky was mainly cloudy with 47.5mm of rainfall. Maximum temperatures ranged between 28.7-29.3°C and minimum ranged between 17.5-19.2°C. Mean relative humidity was 84-94% in morning and 40-57% in evening. Wind speed ranged between 2-3kmph.

Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 85.0mm for the next five days. Maximum Temp: 28.0-31.0°C, Minimum Temp: 19.0-20.0°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 7-8 Okta, Maximum RH:93-98%, Minimum RH: 65-75%, Wind speed: 2-4 Kmph, Wind direction:East-Southwest.

Weekly cumulative rainfall : 85.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<p>Sali/Kharif Rice (Lowland)</p> 	<p>Nursery/Main field preparation</p>		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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



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			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.
Kharif Rice (Upland)	Field preparation		<ul style="list-style-type: none"> • 2-3 cross ploughing followed by planking to get good soil tilth and weed free field.
Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		<ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor@1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli&Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		<p>Trunk borer emergence:</p> <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-



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			D or GA3 @ 15 (mg/l) +Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).
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. 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



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<p>Cattle & Buffaloes</p>	<p>6-9 months calves</p>	<p>Brucellosis</p> <p>Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter</p>	<p>body wt.</p> <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 Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂CO₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
<p>C & RD BLOCK MAP OF MEGHALAYA</p>			
<p>Fishery</p> <p>Common Carp</p>	<p>Common carp breeding season</p>		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove prepatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow dung as manure and keep it for maturation for 15 days and stocking can be done.

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



Agro Advisory Bulletin – SOUTH GARO HILLS (Period 9th – 13th June, 2018)

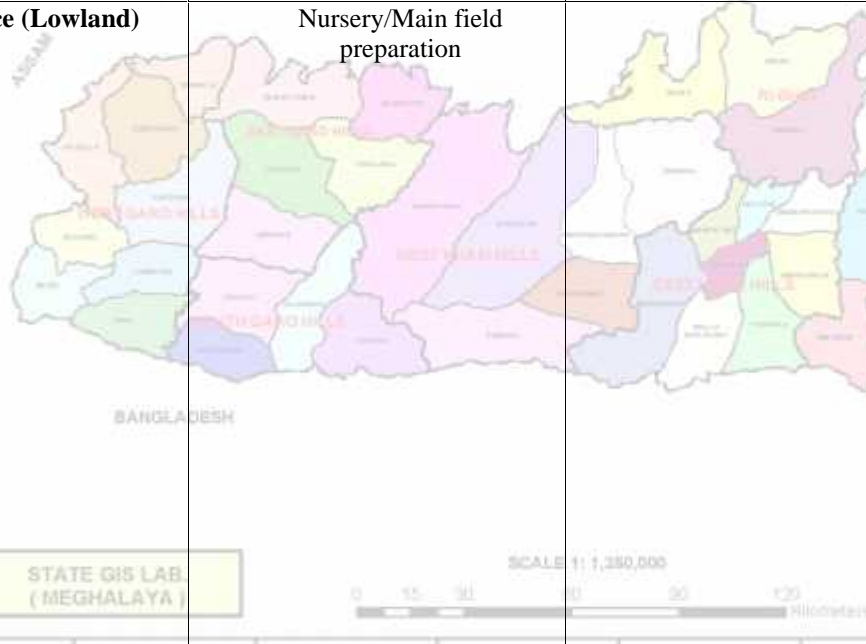
Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 130.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 7-8 Okta, Maximum RH: 92-98%, Minimum RH: 67-77%, Wind speed: 2-3Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall :130.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Nursery/Main field preparation		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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.
Kharif Rice (Upland)	Field preparation		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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			weed free field.
Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		<ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli&Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		<p>Trunk borer emergence:</p> <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).

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
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			<ul style="list-style-type: none"> 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
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ CO₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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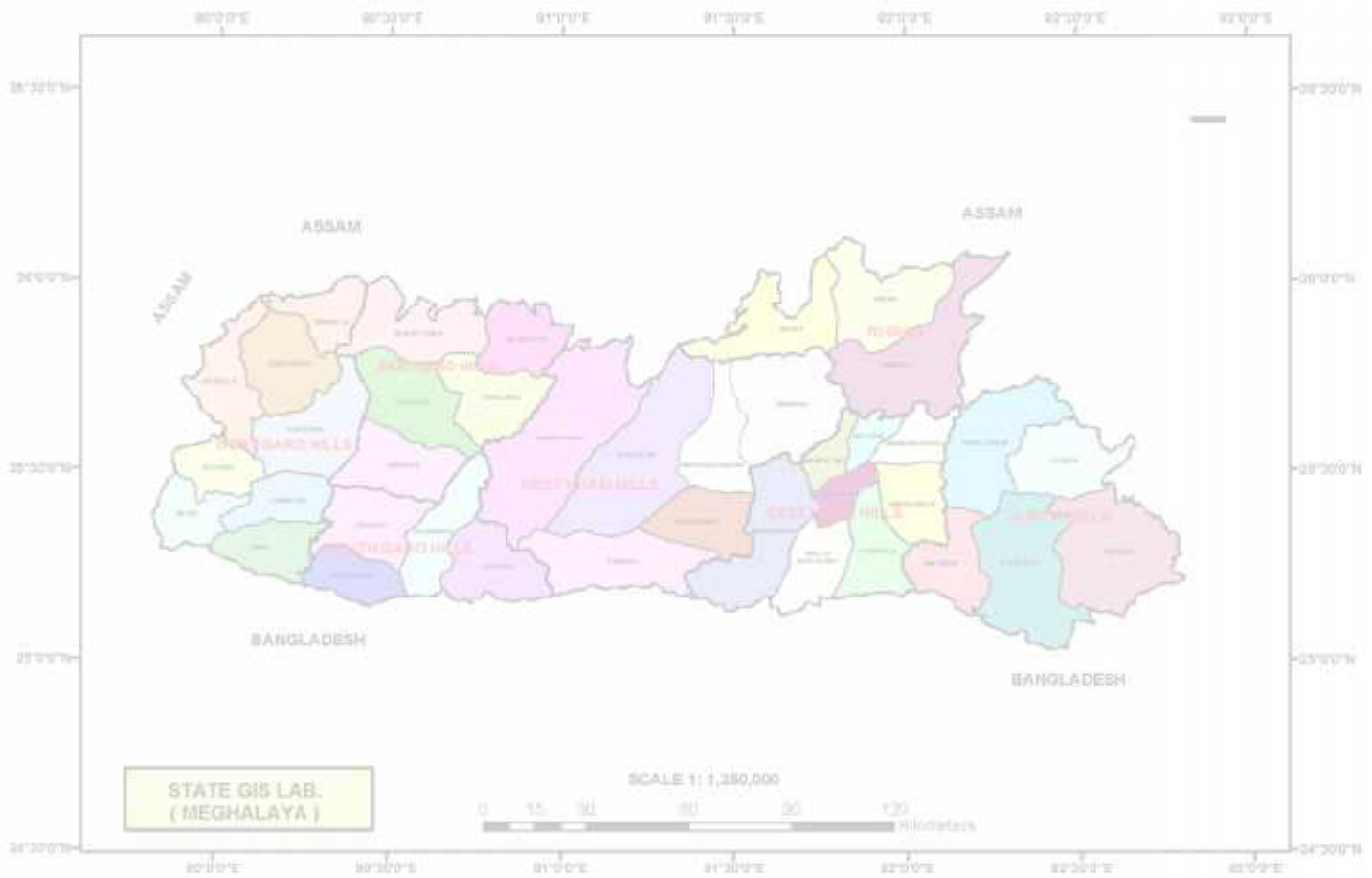


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			dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – SOUTH WEST GARO HILLS (Period 9th – 13th June, 2018)

Weather forecast valid up to 13th June, 2018

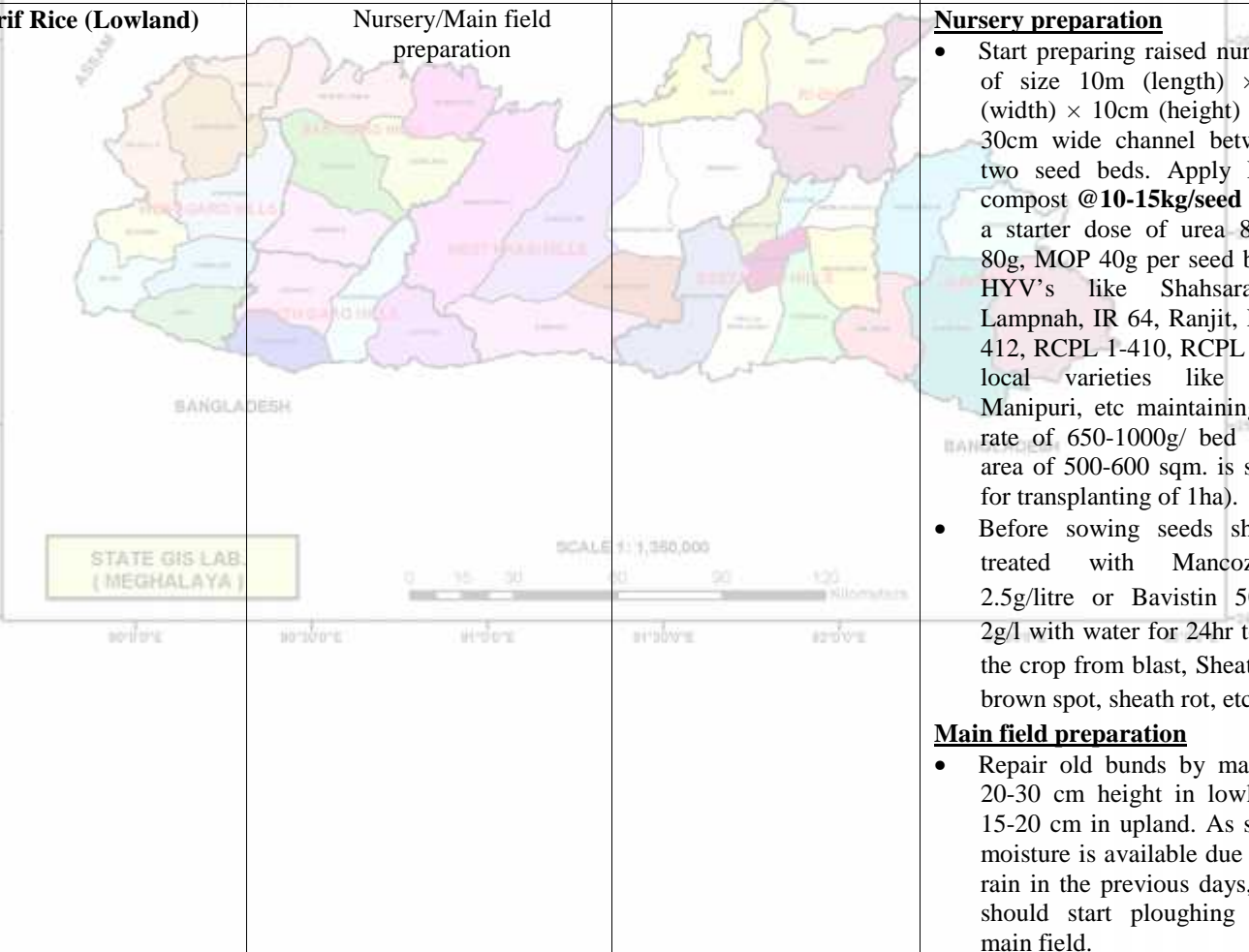
The possibility of Rainfall is 70.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy to cloudy i.e.7-8 Okta, Maximum RH: 88-96%, Minimum RH: 65-76%, Wind speed: 2-4Kmph, Wind direction: East-Southwest.

Weekly cumulative rainfall :70.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 91°0'0"E 92°0'0"E 93°0'0"E 94°0'0"E 95°0'0"E 96°0'0"E

Agro meteorological Advisories for coming 5 days




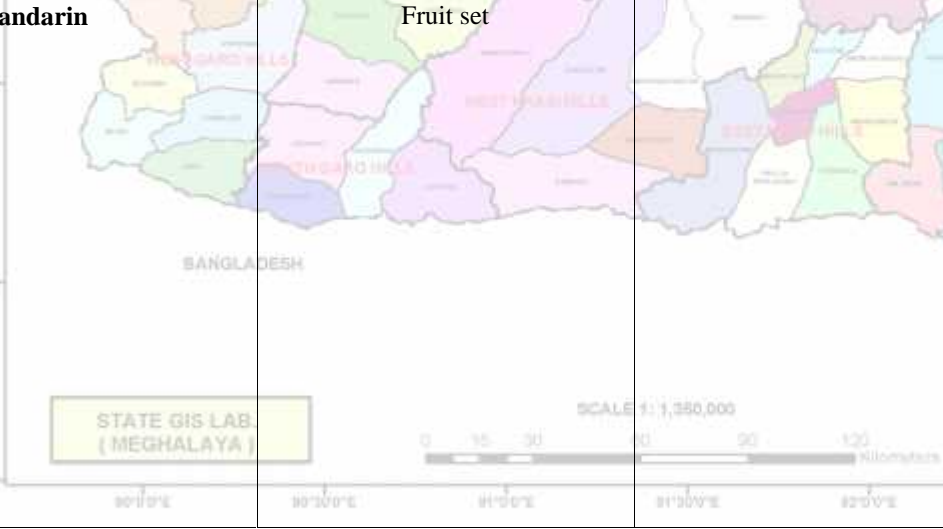
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<p>Sali/Kharif Rice (Lowland)</p> 	<p align="center">Nursery/Main field preparation</p>		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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>Kharif Rice (Upland)</p>	<p align="center">Field preparation</p>		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli & Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).
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



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			<ul style="list-style-type: none"> 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
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ Co₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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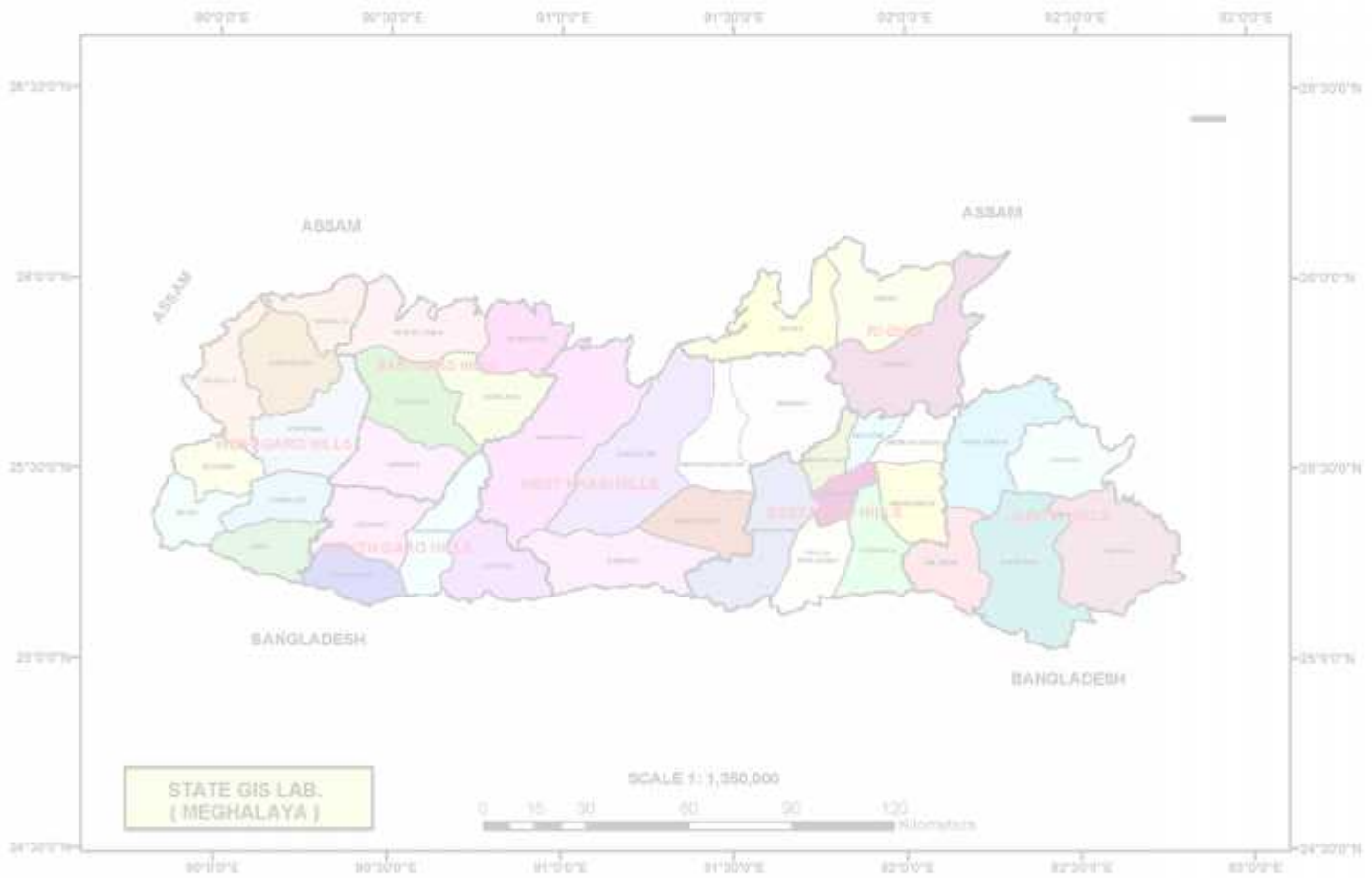


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			<p>ding as manure and keep it for maturation for 15 days and stocking can be done.</p>
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 9th – 13th June, 2018)

Weather forecast valid up to 13th June, 2018

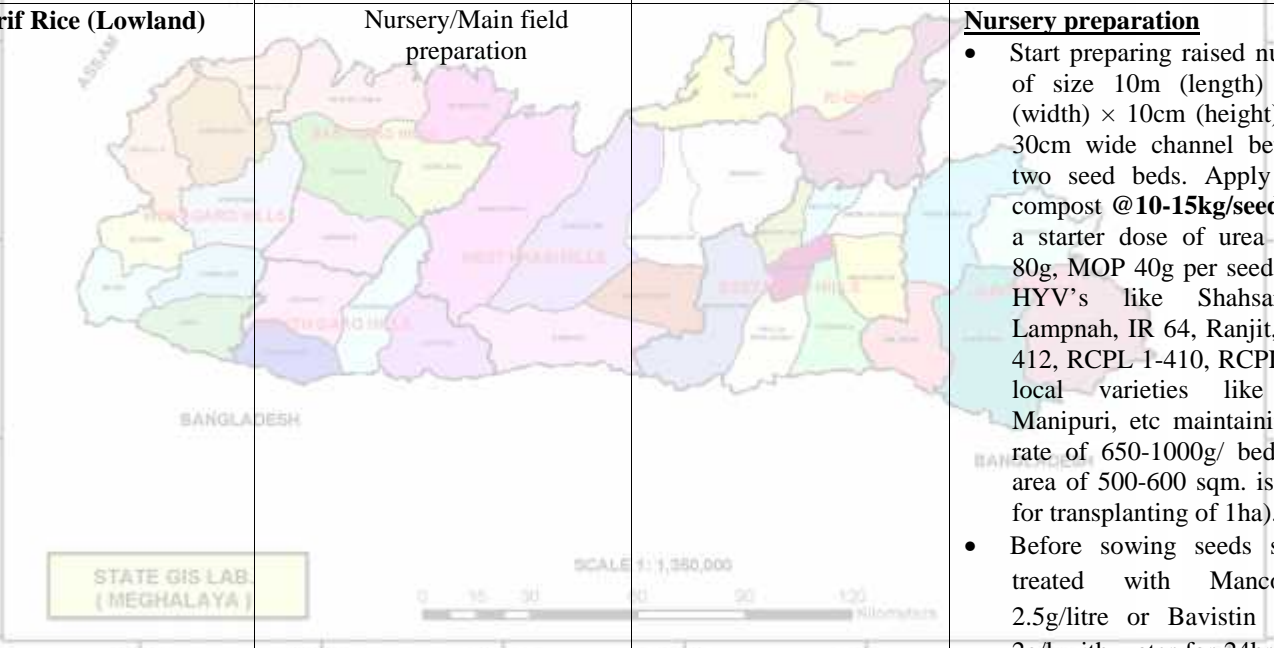
The possibility of Rainfall is 50.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 19-22°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 6-8 Okta, Maximum RH: 92-99%, Minimum RH: 70-77%, Wind speed: 3-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 50.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°00'E 91°00'E 92°00'E 93°00'E 94°00'E 95°00'E 96°00'E

Agro meteorological Advisories for coming 5 days




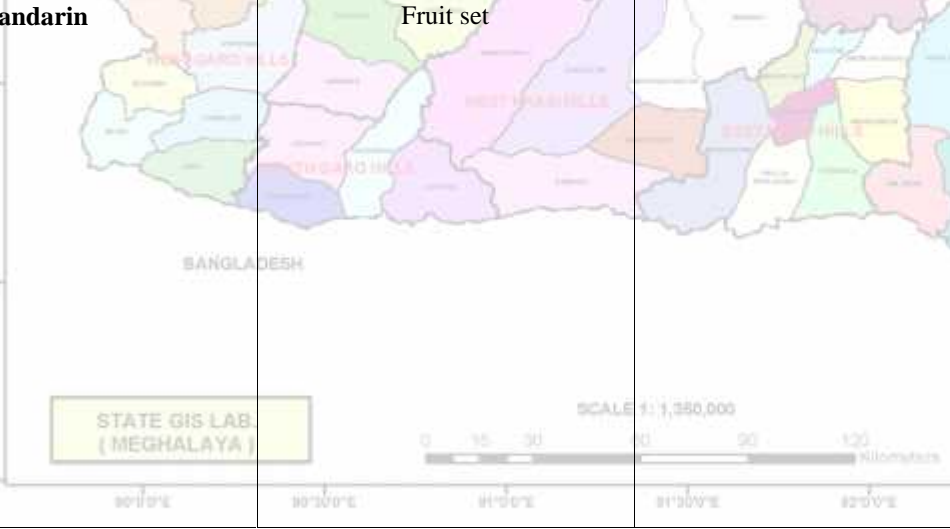
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<p>Sali/Kharif Rice (Lowland)</p> 	<p align="center">Nursery/Main field preparation</p>		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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>Kharif Rice (Upland)</p>	<p align="center">Field preparation</p>		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli & Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).
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



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			<ul style="list-style-type: none"> 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
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ Co₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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			dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – WEST GARO HILLS (Period 9th – 13th June, 2018)

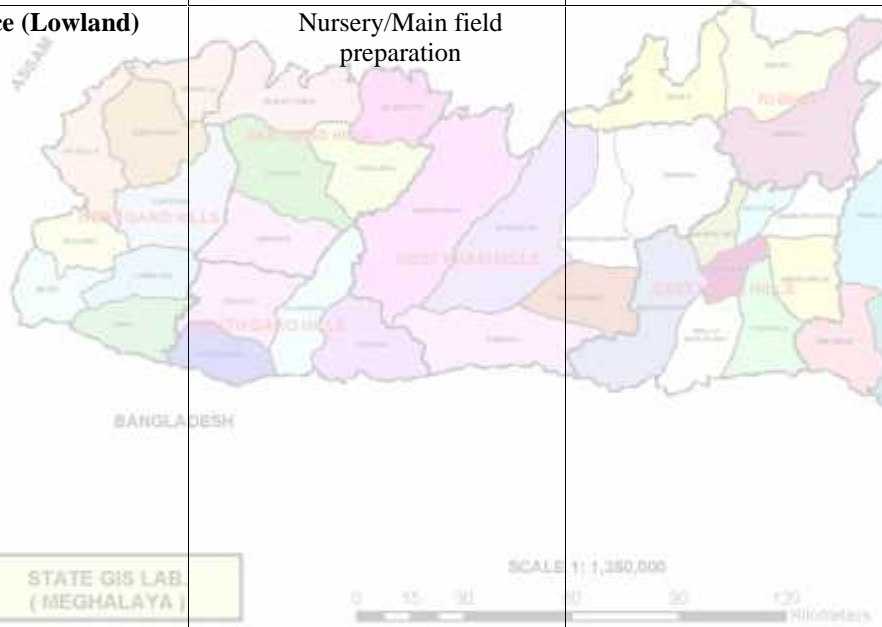
Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 80.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 20-23°C, Cloud cover: sky will be mainly cloudy to cloudy i.e.7-8 Okta, Maximum RH: 91-95%, Minimum RH: 60-80%, Wind speed: 3-4Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 80.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days




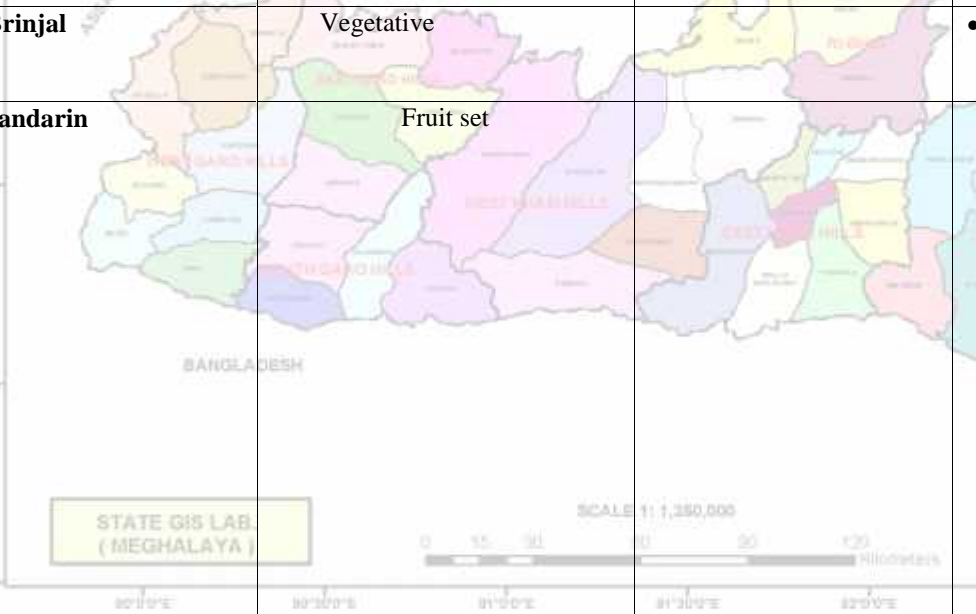
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Nursery/Main field preparation		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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.
Kharif Rice (Upland)	Field preparation		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli&Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).

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
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			<ul style="list-style-type: none"> 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
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂CO₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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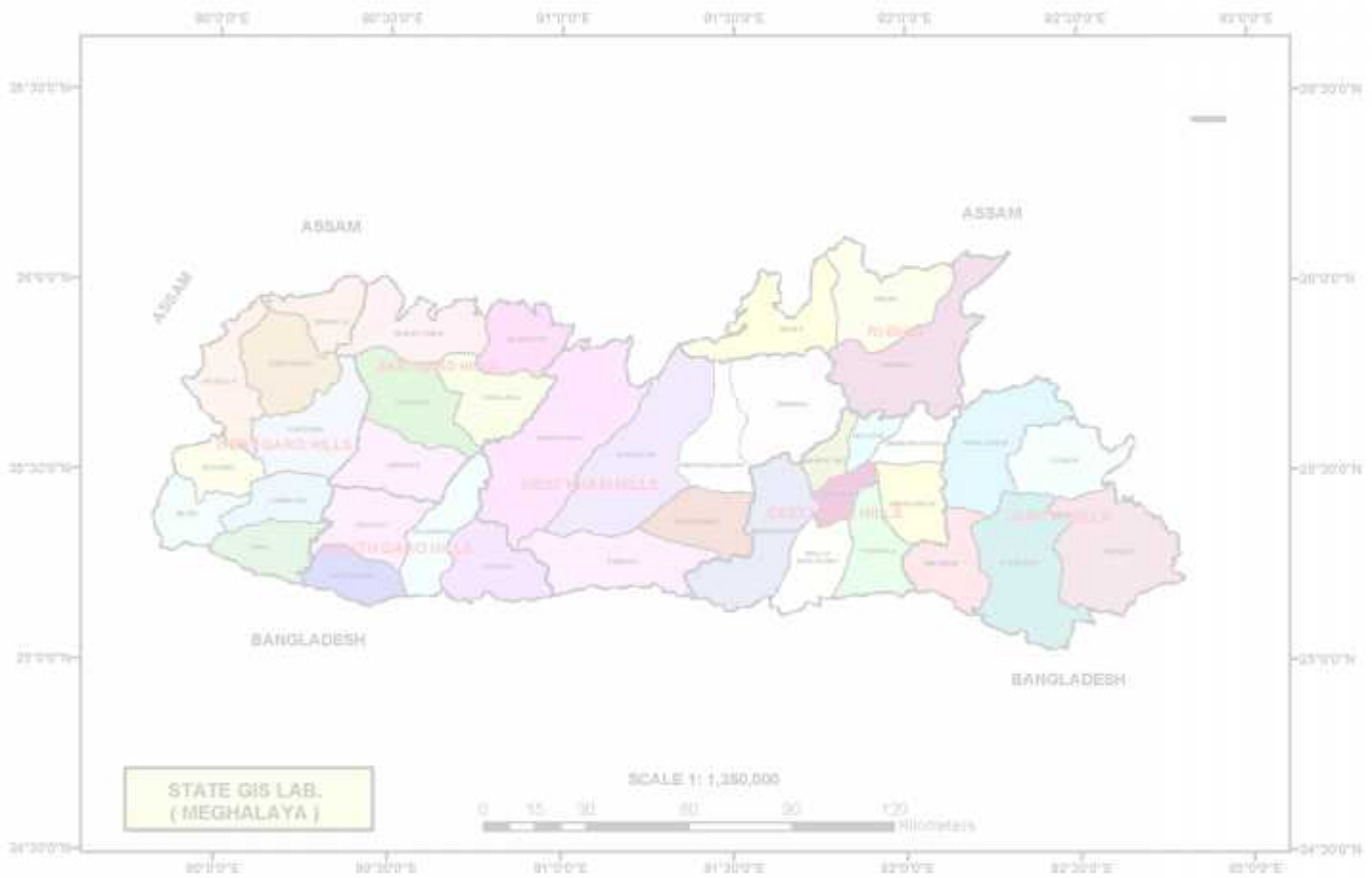


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			<p>dung as manure and keep it for maturation for 15 days and stocking can be done.</p>
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – WEST JAINTIA HILLS (Period 9th – 13th June, 2018)

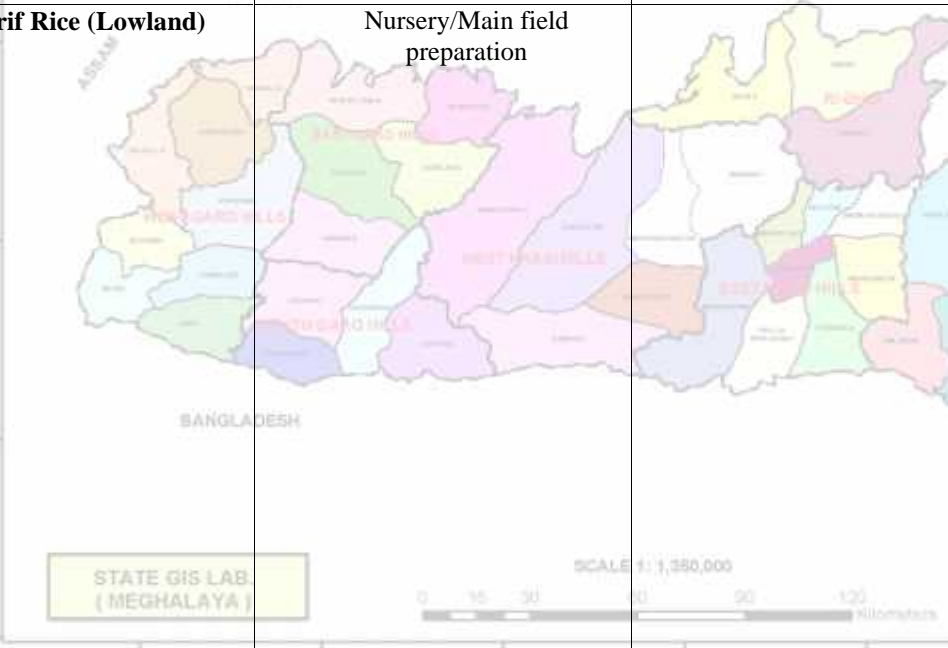
Weather forecast valid up to 13th June, 2018

The possibility of Rainfall is 100.0mm for the next five days. Maximum Temp:27-31°C, Minimum Temp: 19-20°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 6-8 Okta, Maximum RH:98-100%, Minimum RH: 70-78%, Wind speed:2-3 Kmph, Wind direction: Southeast-Southwest.

Weekly cumulative rainfall :100.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<p>Sali/Kharif Rice (Lowland)</p> 	<p>Nursery/Main field preparation</p>		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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>Kharif Rice (Upland)</p>	<p>Field preparation</p>		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli & Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).
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



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			<ul style="list-style-type: none"> 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
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. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ Co₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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			dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





Agro Advisory Bulletin – WEST KHASI HILLS (Period 9th – 13th June, 2018)

Weather forecast valid up to 13th June, 2018

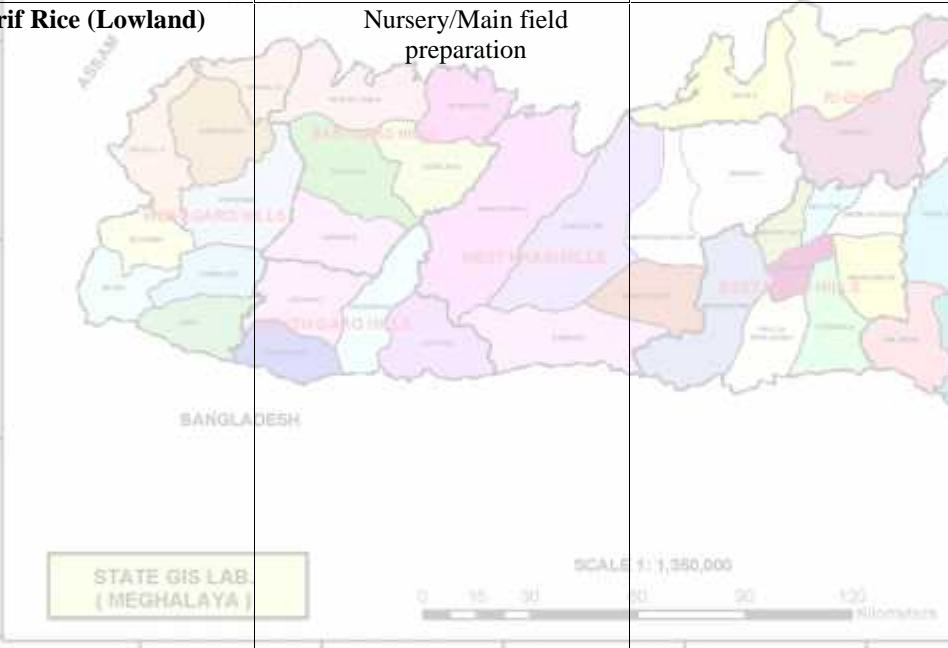
The possibility of Rainfall is 100.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy to cloudy i.e. 6-8 Okta, Maximum RH: 97-99%, Minimum RH: 73-76%, Wind speed: 3-4 Kmph, Wind direction: East-South.

Weekly cumulative rainfall :100.0mm

C & RD BLOCK MAP OF MEGHALAYA

90°00'E 91°00'E 92°00'E 93°00'E 94°00'E 95°00'E 96°00'E

Agro meteorological Advisories for coming 5 days




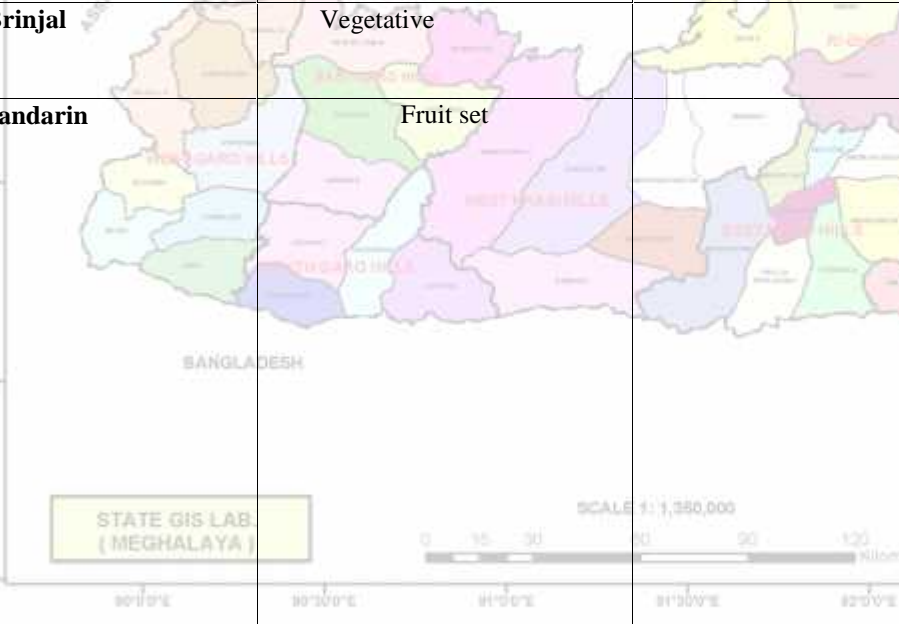
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<p>Sali/Kharif Rice (Lowland)</p> 	<p>Nursery/Main field preparation</p>		<p><u>Nursery preparation</u></p> <ul style="list-style-type: none"> Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 20-30cm wide channel between the two seed beds. Apply FYM or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 80g, 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>Kharif Rice (Upland)</p>	<p>Field preparation</p>		<ul style="list-style-type: none"> 2-3 cross ploughing followed by planking to get good soil tilth and



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Cucurbits (Cucumber/Pumpkin/Bottle Gourd/ Ash Gourd/Squash)	Emergence/ Vegetative		weed free field. <ul style="list-style-type: none"> • Provide support of bamboo structure for climbing upward in bottle/ash gourd. • Do weeding & earthing up. • Pray Rogor @ 1ml/l water to control pest.
Okra	Seed Sowing		<ul style="list-style-type: none"> • Sow the seeds on raised bed at spacing 45x30cm.
Maize High & Mid altitude Region	Early vegetative stage		<ul style="list-style-type: none"> • Sow 2 seeds per hill at a spacing of 60x30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. • Provide drainage wherever necessary. • Keep field free of weeds by weeding. • Earthing up can be done for better growth.
French bean/Cowpea	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea. • Use bamboo sticks for staking in French bean pole type after hoeing.
Chilli & Brinjal	Vegetative		<ul style="list-style-type: none"> • Weeding & earthing up after top dressing of urea.
Khasi Mandarin	Fruit set		Trunk borer emergence: <ul style="list-style-type: none"> • Pasting of trunk up to 2 m height with 1% Carbaryl 50 W.P. (20g/l). • Collection and destruction of trunk borer adults by shaking the branches 2-3 times at 10 days interval. • Management of fruit drop: Spraying with 2,4-D or GA3 @ 15 (mg/l) + Urea (10 g/l) + Benomyl (1g/l) or spraying of Planofix @ 1ml/5 litres of water minimise the fruit drop.).

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
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			<ul style="list-style-type: none"> 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
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucellaabortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, HaemorrhagicSepticaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. To prevent FMD spread spray 4% sodium carbonate solution (400 gm Na₂ Co₃ in 10 litres of water) or lime/ bleaching powder should be spread every day atleast once around the farm premise & at the entry/exit atleast for 10 days.
Fishery			
Common Carp	Common carp breeding season		<p>Brood stock management</p> <ul style="list-style-type: none"> Feed common carp brooders with protein rich diet for proper maturation of eggs. Use Eichornia or plastic mob for common carp to lay eggs. <p>Nursery pond management</p> <ul style="list-style-type: none"> Drain out water from the pond. Remove preplatory and weed fishes. Apply lime at the ponds at recommended dose. After 7 days of liming add cow



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			dung as manure and keep it for maturation for 15 days and stocking can be done.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA

