



Agro Advisory Bulletin – East Garo Hills **(Period 9th – 13th December, 2017)**

Weather summery of the past five days

Weather forecast valid up to 13th December, 2017

Sky was partly cloudy with 0.0mm rainfall. Maximum temperatures ranged between 23-24°C and minimum ranged between 10-11°C. Relative humidity was 95-100% in morning and 29-49% in evening. Wind speed ranged between: 2-3 kmph.

The possibility of Rainfall is 12.0mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 12-16°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 100%, Minimum RH: 43-87%, Wind speed: 2Kmph, Wind direction: Northeast-East.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 0.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Maturity/Harvesting		<ul style="list-style-type: none"> Bird scaring should be taken care of. Maintain a water level of 2-5 cm in the field. Monitor crop for swarming caterpillar attack. If the crop is mature, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour.
Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed.



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bean/Rajmash/cowpea			<ul style="list-style-type: none"> Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

Animal Sciences

Poultry 	All stages	Coccidiosis	<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. 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. Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery 	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.



Agro Advisory Bulletin – WEST JAINTIA HILLS **(Period 9th – 13th December, 2017)**

Weather forecast valid up to 13th December, 2017

The possibility of Rainfall is 9.0mm for the next five days. Maximum Temp: 23-24°C, Minimum Temp: 14-17°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 97-100%, Minimum RH: 40-81%, Wind speed: 2-3 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall : 9.0mm

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 —

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	ASSAM Harvesting/Threshing		<ul style="list-style-type: none"> At maturity, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour. After harvesting, the crop should be sun dried before threshing. Seed cleaning and sun drying should be done properly before storing.
Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed.



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bean/Rajmash/cowpea			<ul style="list-style-type: none"> Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

C & RD BLOCK MAP OF MEGHALAYA

Animal Sciences

Poultry		All stages	<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. 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.
			<p>Coccidiosis</p> <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. <p>Ranikhet disease</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery		All stages	<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
			<p>Skin infection</p> <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes		6-9 months calves	<p>Brucellosis</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
			<p>Foot & Mouth Disease, 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.



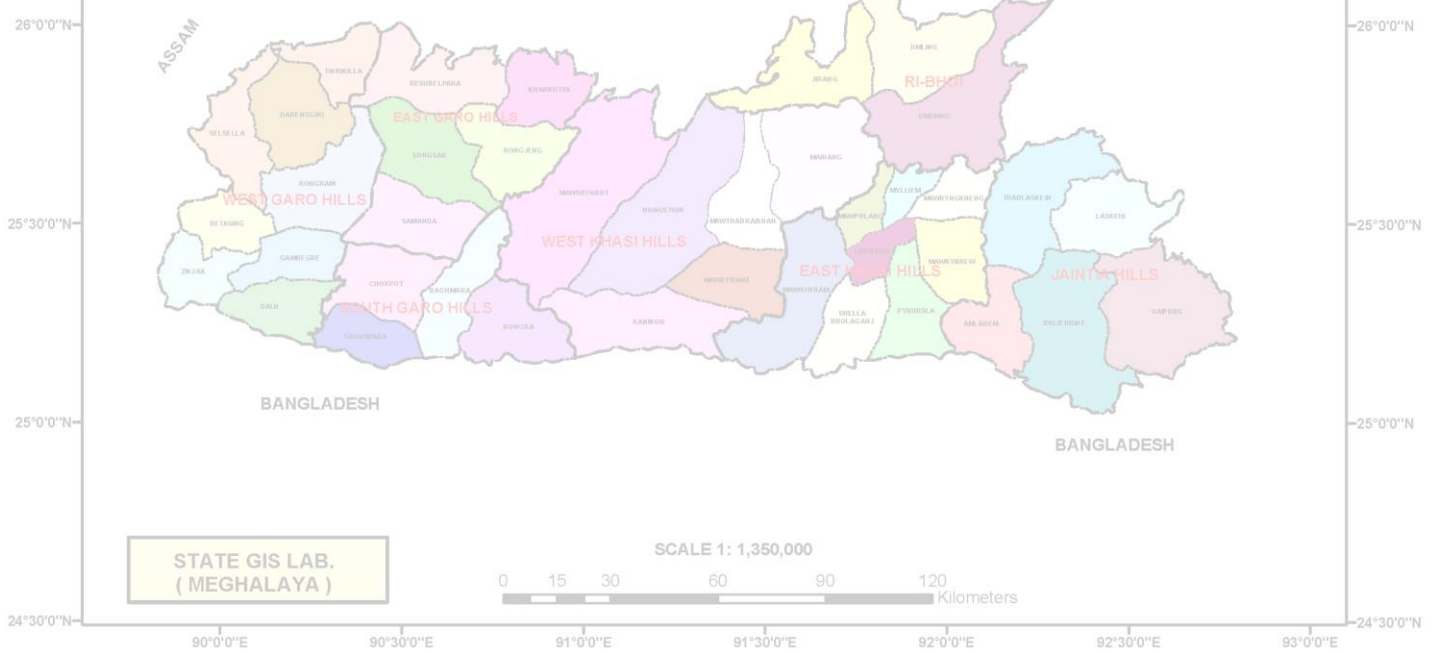
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		Quarter	
Fishery			
Carps	Fingerlings	Harvesting season	Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.
	Pond management	Culture ponds in winter seasons	Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.
		Nursery ponds preparation	Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts. Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.

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





Agro Advisory Bulletin – WEST KHASI HILLS
(Period 9th – 13th December, 2017)

Weather forecast valid up to 13th December, 2017




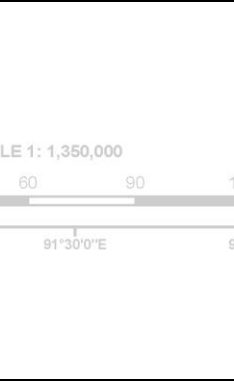


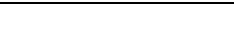
The possibility of Rainfall is 9.0mm for the next five days. Maximum Temp: 23-24°C, Minimum Temp: 13-14°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 99-100%, Minimum RH: 42-80%, Wind speed: 2-3 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 9.0mm

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

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice 	ASSAM Harvesting/Threshing		ASSAM <ul style="list-style-type: none"> At maturity, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour. After harvesting, the crop should be sun dried before threshing. Seed cleaning and sun drying should be done properly before storing.
Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	BANGLADESH Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000





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bean/Rajmash/cowpea			<ul style="list-style-type: none"> Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

C & RD BLOCK MAP OF MEGHALAYA

Animal Sciences

Poultry	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lighting of electric bulb to protect them from low temperature. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
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	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.



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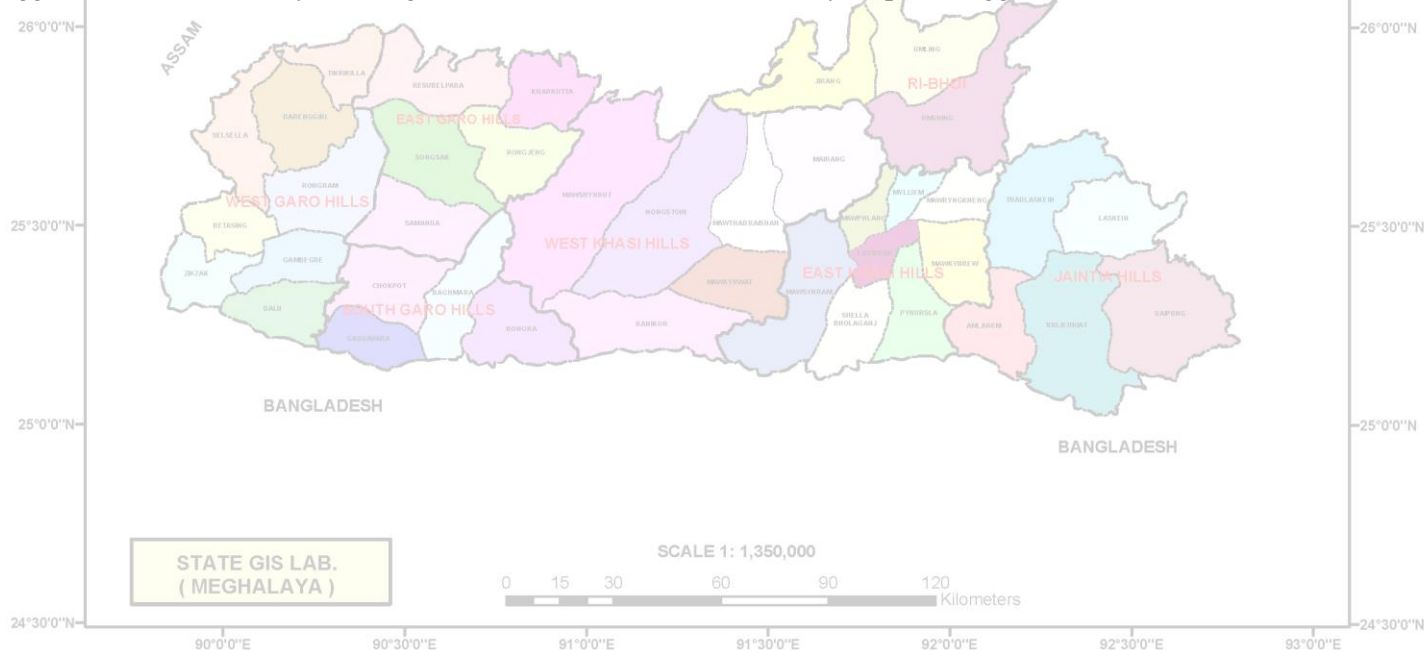
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		Quarter	
Fishery			
<p>Carps</p>	<p>Fingerlings</p> <p style="text-align: center;">Pond management</p>	<p>Harvesting season</p> <p style="text-align: center;">Culture ponds in winter seasons</p>	<p>Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.</p> <p>Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.</p> <p>Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.</p> <p>Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.</p>

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





Agro Advisory Bulletin – EAST JAINTIA HILLS
(Period 9th – 13th December, 2017)

Weather forecast valid up to 13th December, 2017

The possibility of Rainfall is 14.0mm for the next five days. Maximum Temp: 22-24°C, Minimum Temp: 13-16°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 96-100%, Minimum RH: 40-84%, Wind speed: 2-4 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 14.0mm

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	Harvesting/Threshing		<ul style="list-style-type: none"> At maturity, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour. After harvesting, the crop should be sun dried before threshing. Seed cleaning and sun drying should be done properly before storing.
Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French bean/Rajmash/cowpea	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed. Dried seed properly & store in airtight poly



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			bags/container.
Ginger/ turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

C & RD BLOCK MAP OF MEGHALAYA

Animal Sciences

Poultry 	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days' old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. 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.
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.
		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.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.



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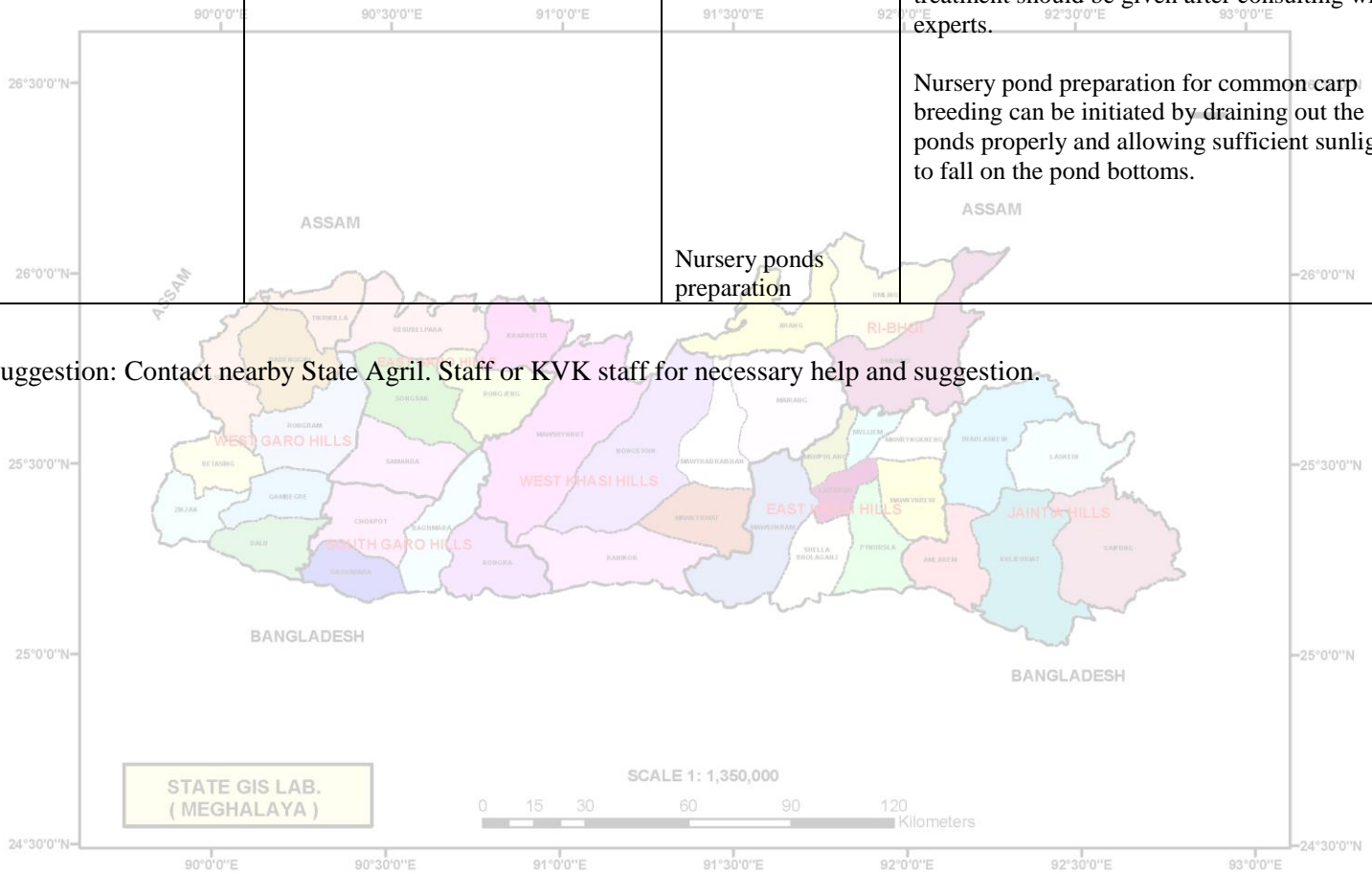
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Fishery

<p>Carps</p>	<p>Fingerlings</p> <p>Pond management</p>	<p>Harvesting season</p> <p>Culture ponds in winter seasons</p>	<p>Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.</p> <p>Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.</p> <p>Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.</p> <p>Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.</p>
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C & RD BLOCK MAP OF MEGHALAYA

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





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Weather forecast valid up to 13th December, 2017

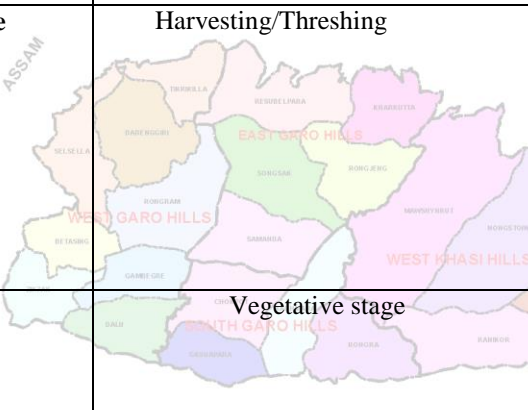
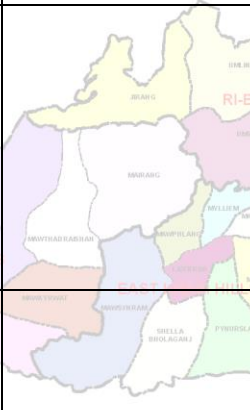

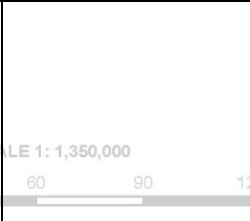
The possibility of Rainfall is 8.0mm for the next five days. Maximum Temp: 21-23°C, Minimum Temp: 8-11°C, Cloud cover: sky will be mainly cloudy i.e. 4-6 Okta, Maximum RH: 91-100%, Minimum RH: 34-84%, Wind speed: 2-3 Kmph, Wind direction: Southeast-East.

Weekly cumulative rainfall : 8.0mm

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Agro meteorological Advisories for coming 5 days

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Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		BANGLADESH <ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
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Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000





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bean/Rajmash/cowpea			<ul style="list-style-type: none"> Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

C & RD BLOCK MAP OF MEGHALAYA

Animal Sciences

Poultry		All stages	<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lighting of electric bulb to protect them from low temperature. 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.
			<p>Coccidiosis</p> <ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. <p>Ranikhet disease</p> <ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery		All stages	<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
			<p>Skin infection</p> <ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes		6-9 months calves	<p>Brucellosis</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
			<p>Foot & Mouth Disease, Haemorrhagic Septicaemia, Black</p> <ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.



GRAMIN KRISHI MAUSAM SEWA

ICAR Research Complex for NEH Region

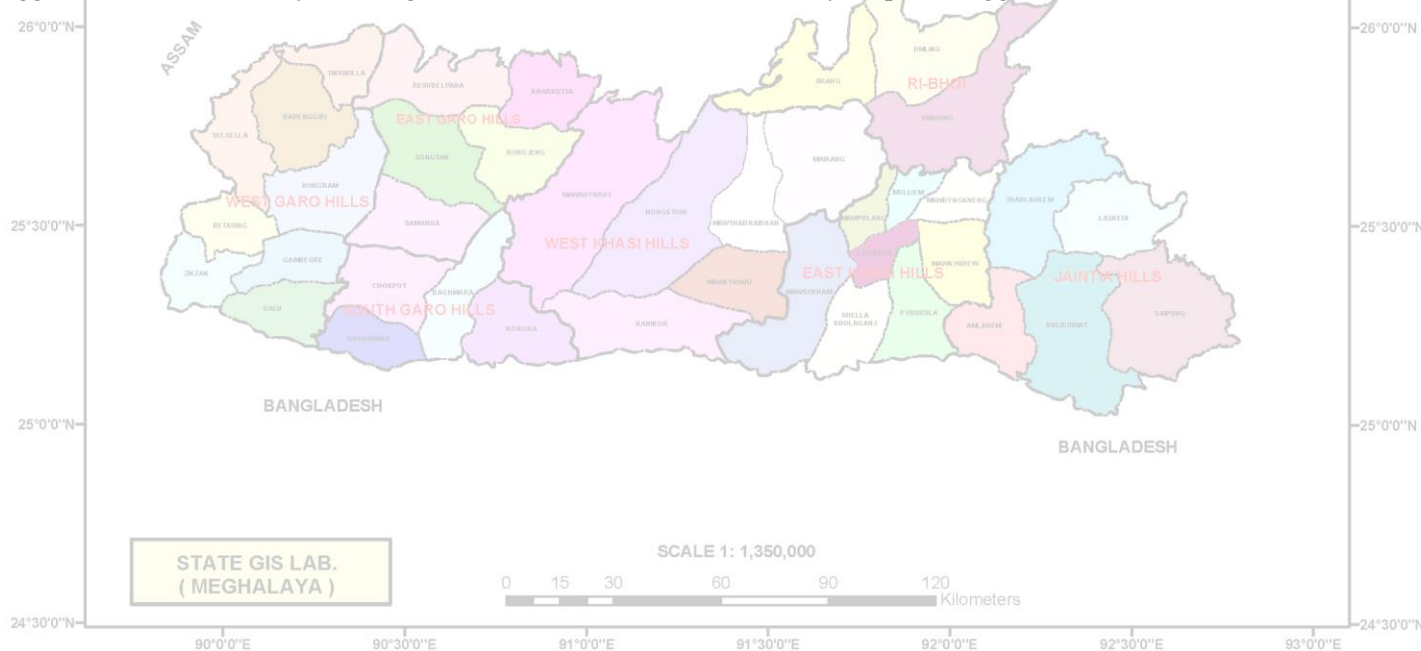
Umroi Road, Umiam – 793 103 Meghalaya



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		Quarter	
Fishery			
Carps	Fingerlings Pond management	Harvesting season Culture ponds in winter seasons	<p>Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.</p> <p>Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.</p> <p>Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.</p> <p>Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.</p>

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





Agro Advisory Bulletin – NORTH GARO HILLS **(Period 9th – 13th December, 2017)**

Weather forecast valid up to 13th December, 2017

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 23-25°C, Minimum Temp: 14-16°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 99%, Minimum RH: 51-80%, Wind speed: 2-3 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall: 0.0mm.

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

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	ASSAM Maturity/Harvesting		<ul style="list-style-type: none"> • Bird scaring should be taken care of. • Maintain a water level of 2-5 cm in the field. • Monitor crop for swarming caterpillar attack. • If the crop is mature, water should be drained out of the field at least 7 days before harvesting. • Harvesting of crop should be done when leave turn yellow colour.
Pea	BANGLADESH Vegetative stage		<ul style="list-style-type: none"> • Thinning & gap filling should be done 10-15 days after sowing. • Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth	SCALE 1: 1,350,000 0 15 30 60 90 120 Kilometers	<ul style="list-style-type: none"> • Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. • Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. • Thinning & gap filling should be done 10-15 days old crop. • Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. • Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> • Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. • Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> • Spray Rogor 1ml/litre water to control pests.



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French bean/Rajmash/cowpea	Harvesting stage	<ul style="list-style-type: none"> • Maintain soil moisture by irrigation. • Harvest the dried pod for seed. • Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage	<ul style="list-style-type: none"> • Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage	<ul style="list-style-type: none"> • Harvesting of ripened fruits. • Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. • Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

Animal Sciences

Poultry	All stages					
		<table border="1"> <tr> <td data-bbox="790 1564 1039 1732"> Coccidiosis </td> <td data-bbox="1039 1564 1578 1732"> <ul style="list-style-type: none"> • As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. • 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. </td> </tr> <tr> <td data-bbox="790 1732 1039 1850"> Ranikhet disease </td> <td data-bbox="1039 1732 1578 1850"> <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. </td> </tr> </table>	Coccidiosis	<ul style="list-style-type: none"> • As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. • 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. 	Ranikhet disease	<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.
Coccidiosis	<ul style="list-style-type: none"> • As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. • 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. 					
Ranikhet disease	<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. 					
Piggery	All stages	<table border="1"> <tr> <td data-bbox="790 1850 1039 1942"> </td> <td data-bbox="1039 1850 1578 1942"> <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. </td> </tr> <tr> <td data-bbox="790 1942 1039 1976"> Skin infection </td> <td data-bbox="1039 1942 1578 1976"> <ul style="list-style-type: none"> • Provide Ivermectin (Injection) @ 10mg/33kg body wt. </td> </tr> </table>		<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.
	<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	<table border="1"> <tr> <td data-bbox="790 1976 1039 2041"> Brucellosis </td> <td data-bbox="1039 1976 1578 2041"> <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 </td> </tr> <tr> <td data-bbox="790 2041 1039 2083"> Foot & Mouth </td> <td data-bbox="1039 2041 1578 2083"> <ul style="list-style-type: none"> • Undertake regular immunization of cattle & </td> </tr> </table>	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	<ul style="list-style-type: none"> • Undertake regular immunization of cattle &
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	<ul style="list-style-type: none"> • Undertake regular immunization of cattle & 					



Agro Advisory Bulletin – Ri-Bhoi **(Period 9th – 13th December, 2017)**

Weather summary of the past four days

Sky was mainly cloudy with 0.0mm of rainfall. Maximum temperatures ranged between 22.6-23.7°C and minimum ranged between 6.2 – 7.8°C. Mean relative humidity was 95-100% in morning and 39-48% in evening. Wind speed ranged between 4 kmph.

Weather forecast valid up to 13th December, 2017

The possibility of Rainfall is 3.0mm for the next five days. Maximum Temp: 25.0-26.0°C, Minimum Temp: 11.0-13.0°C, Cloud cover: sky will be partly cloudy i.e. 2-6 Okta, Maximum RH:100%, Minimum RH: 50-71%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 0.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Harvesting/Threshing		<ul style="list-style-type: none"> At maturity, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour. After harvesting, the crop should be sun dried before threshing. Seed cleaning and sun drying should be done properly before storing.
Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard-Varuna, Krishna, TM 4; Rapeseed-M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000

0 15 30 60 90 120 kilometers



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Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French bean/Rajmash/cowpea	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed. Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lighting of electric bulb to protect them from low temperature. 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.
		<p style="margin: 0;">Coccidiosis</p>	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		<p style="margin: 0;">Ranikhet disease</p>	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6



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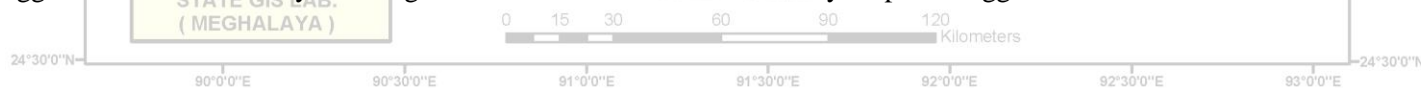
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			<p>months old pigs with FMD vaccine once in a year.</p> <ul style="list-style-type: none"> Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (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

<p>Carps</p>	<p>Fingerlings</p> <p>Pond management</p>	<p>Harvesting season</p> <p>Culture ponds in winter seasons</p> <p>Nursery ponds preparation</p>	<p>Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.</p> <p>Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.</p> <p>Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.</p> <p>Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.</p>
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – SOUTH GARO HILLS (Period 9th – 13th December, 2017)

Weather forecast valid up to 13th December, 2017

The possibility of Rainfall is 2.0mm for the next five days. Maximum Temp: 26-28°C, Minimum Temp: 14-18°C, Cloud cover: sky will be mainly cloudy i.e. 4-8 Okta, Maximum RH: 92-100%, Minimum RH: 41-85%, Wind speed: 2-3 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 0.0mm

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

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	ASSAM Maturity/Harvesting		<ul style="list-style-type: none"> Bird scaring should be taken care of. Maintain a water level of 2-5 cm in the field. Monitor crop for swarming caterpillar attack. If the crop is mature, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour.
Pea	BANGLADESH Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000





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French bean/Rajmash/cowpea	Harvesting stage		<ul style="list-style-type: none"> Maintain soil moisture by irrigation. Harvest the dried pod for seed. Dried seed properly & store in airtight poly bags/container. 	
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried. 	
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season. 	
C & RD BLOCK MAP OF MEGHALAYA				
Animal Sciences				
Poultry	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. 	
			Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
			Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from 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,	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, 	



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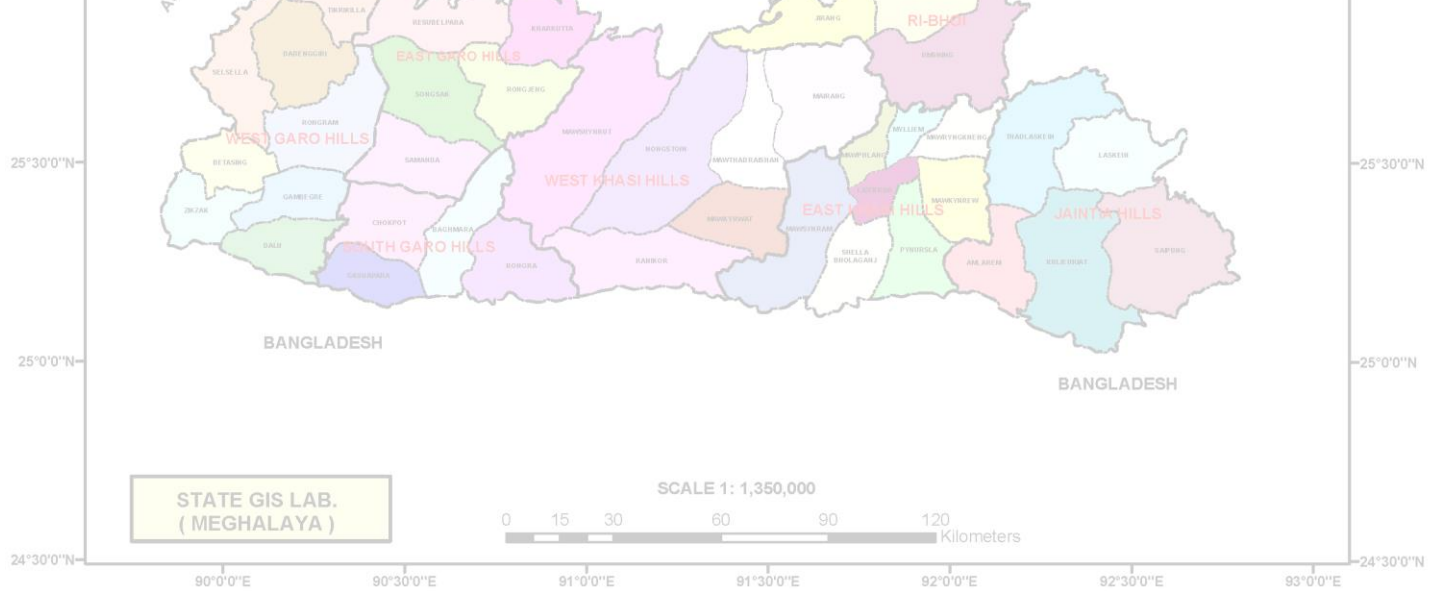
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		Haemorrhagic Septicaemia, Black Quarter	Haemorrhagic septicaemia & Black Quarter.
Fishery			
<p>Carps</p>	<p>Fingerlings</p> <p>Pond management</p>	<p>Harvesting season</p> <p>Culture ponds in winter seasons</p> <p>Nursery ponds preparation</p>	<p>Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.</p> <p>Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.</p> <p>Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.</p> <p>Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.</p>

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





Agro Advisory Bulletin – SOUTH WEST GARO HILLS
(Period 9th – 13th December, 2017)

Weather forecast valid up to 13th December, 2017

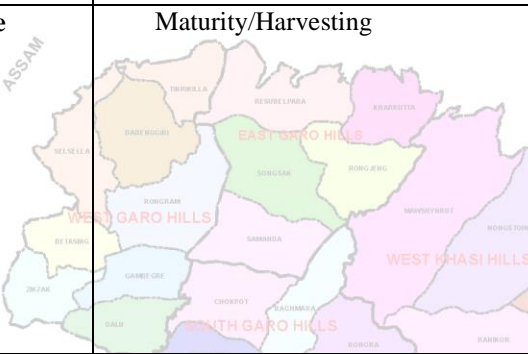

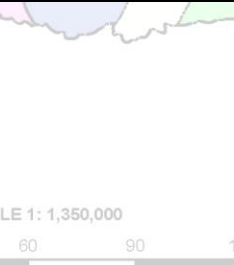

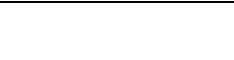
The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 15-18°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 78-90%, Minimum RH: 49-59%, Wind speed: 5-6 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 0.0mm

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

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice 	ASSAM Maturity/Harvesting		ASSAM <ul style="list-style-type: none"> • Bird scaring should be taken care of. • Maintain a water level of 2-5 cm in the field. • Monitor crop for swarming caterpillar attack. • If the crop is mature, water should be drained out of the field at least 7 days before harvesting. • Harvesting of crop should be done when leave turn yellow colour.
Pea	BANGLADESH Vegetative stage		<ul style="list-style-type: none"> • Thinning & gap filling should be done 10-15 days after sowing. • Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> • Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. • Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. • Thinning & gap filling should be done 10-15 days old crop. • Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. • Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> • Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000

0 15 30 60 90 120
Kilometers



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			<ul style="list-style-type: none"> to plant. Do earthing up after application of urea. 	
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation. 	
French bean/Rajmash/cowpea	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed. Dried seed properly & store in airtight poly bags/container. 	
Ginger/ turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried. 	
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season. 	
C & RD BLOCK MAP OF MEGHALAYA				
Animal Sciences				
Poultry	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom. 	
			Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
			Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. 	
			Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> Vaccinate 6-9 months old calves with 	



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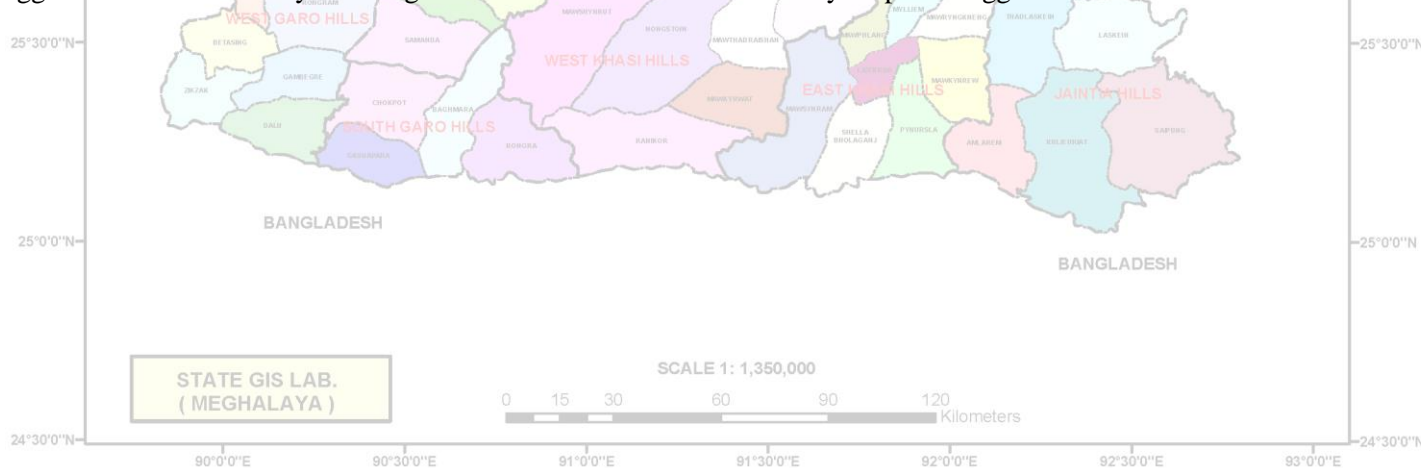
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			<p><i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</p>
		<p>Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter</p>	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Fishery

<p>Carps</p>	<p>Fingerlings</p> <p>Pond management</p>	<p>Harvesting season</p> <p>Culture ponds in winter seasons</p> <p>Nursery ponds preparation</p>	<p>Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.</p> <p>Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.</p> <p>Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.</p> <p>Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.</p>
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





Agro Advisory Bulletin – SOUTH WEST KHASI HILLS **(Period 9th – 13th December, 2017)**

Weather forecast valid up to 13th December, 2017

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 22-23°C, Minimum Temp: 11-13°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 77-99%, Minimum RH: 28-67%, Wind speed: 2-5 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 0.0mm

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 —

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	ASSAM Harvesting/Threshing		<ul style="list-style-type: none"> At maturity, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour. After harvesting, the crop should be sun dried before threshing. Seed cleaning and sun drying should be done properly before storing.
Pea	Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth		<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests. Maintain soil moisture by irrigation.
French	Harvesting stage		<ul style="list-style-type: none"> Harvest the dried pod for seed.



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bean/Rajmash/cowpea			<ul style="list-style-type: none"> Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.

Animal Sciences

Poultry	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lighting of electric bulb to protect them from low temperature. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		Skin infection	<ul style="list-style-type: none"> Provide Ivermectin (Injection) @ 10mg/33kg body wt.
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	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.



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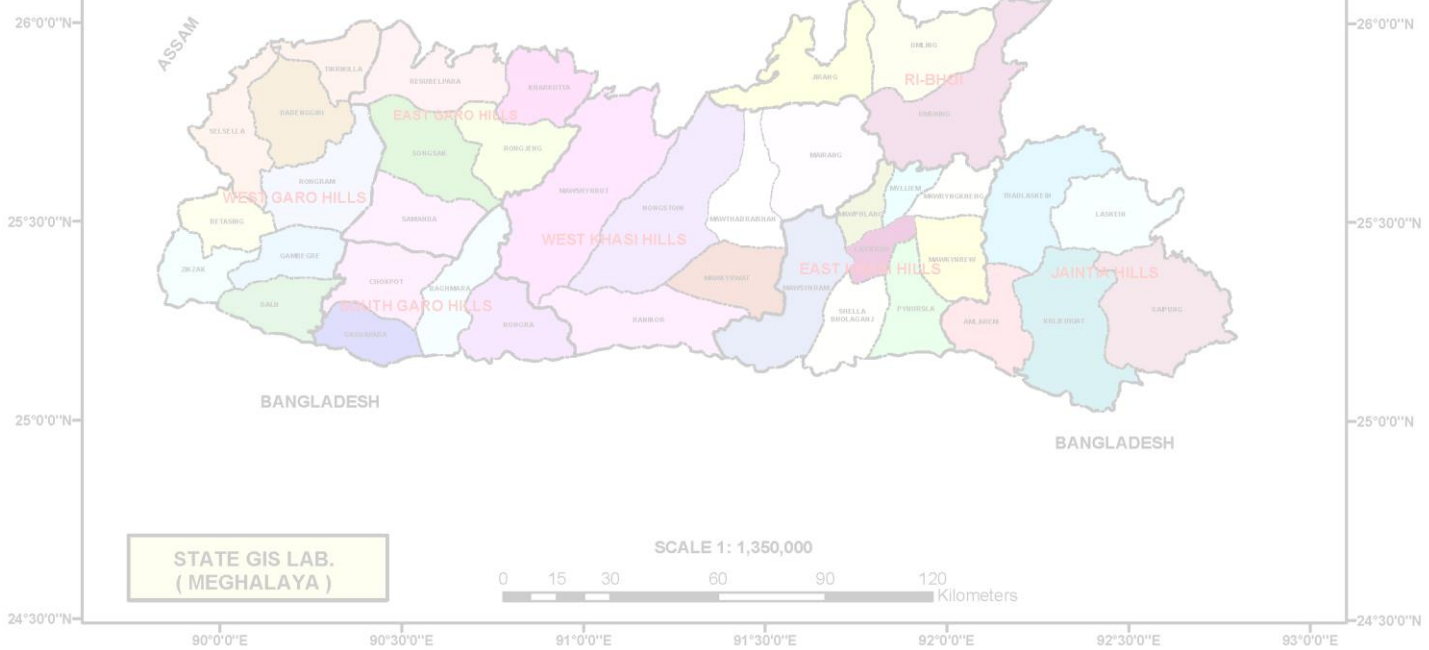
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		Quarter	
Fishery			
Carps	Fingerlings Pond management	Harvesting season Culture ponds in winter seasons	Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha. Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season. Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts. Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.

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





Agro Advisory Bulletin – WEST GARO HILLS (Period 9th – 13th December, 2017)

Weather forecast valid up to 13th December, 2017

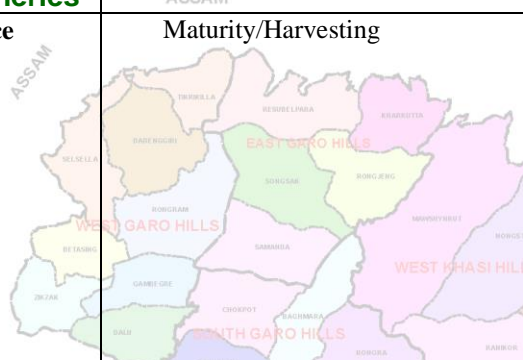
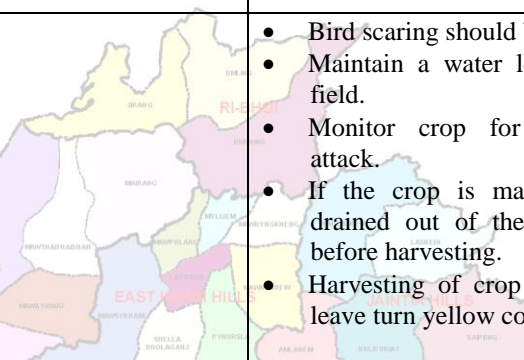

The possibility of Rainfall is 4.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 14-17°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 90-97%, Minimum RH: 48-74%, Wind speed: 3-4 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 0.0mm

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

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	ASSAM Maturity/Harvesting		<ul style="list-style-type: none"> Bird scaring should be taken care of. Maintain a water level of 2-5 cm in the field. Monitor crop for swarming caterpillar attack. If the crop is mature, water should be drained out of the field at least 7 days before harvesting. Harvesting of crop should be done when leave turn yellow colour.
Pea	BANGLADESH Vegetative stage		<ul style="list-style-type: none"> Thinning & gap filling should be done 10-15 days after sowing. Maintain proper soil moisture in the the field by irrigation.
Mustard/ Rapeseed	Sowing/Vegetative growth	SCALE 1: 1,350,000 	<ul style="list-style-type: none"> Recommended variety: Mustard- Varuna, Krishna, TM 4; Rapeseed- M 27, TS 38, TR 48, TR 67. Furrow application of Lime @ 250 kg/ha. should be done before a week of sowing. Thinning & gap filling should be done 10-15 days old crop. Seeds should be sown in line after applying FYM @5-10 tonnes/ha and covered well with soil. Maintain proper soil moisture by providing life saving irrigation.
Cabbage/Broccoli/ Cauliflower	Transplanting		<ul style="list-style-type: none"> Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Do earthing up after application of urea.
Dolichos bean	Vegetative/ Flowering stage		<ul style="list-style-type: none"> Spray Rogor 1ml/litre water to control pests.

STATE GIS LAB.
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French bean/Rajmash/cowpea	Harvesting stage		<ul style="list-style-type: none"> Maintain soil moisture by irrigation. Harvest the dried pod for seed. Dried seed properly & store in airtight poly bags/container.
Ginger/turmeric	Harvesting stage		<ul style="list-style-type: none"> Harvest the crop when the above ground part of plant has fully dried.
Khasi Mandarin	Harvesting stage		<ul style="list-style-type: none"> Harvesting of ripened fruits. Collection and discard of fallen fruits in orchards to avoid attraction of fruit fly. Adopting the appropriate conservation techniques such as preparation of Half-moon terrace/ tree basin, contour bunds, bench terraces and half moon terraces for placement of manure and fertilizer and to reduce soil erosion/ nutrient loss during rainy season.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> As the night temperature has dropped, poultry birds (day old to 25 days old) should be provided with artificial heating through lightning of electric bulb to protect them from low temperature. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from 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,	<ul style="list-style-type: none"> Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease,



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		Haemorrhagic Septicaemia, Black Quarter	Haemorrhagic septicaemia & Black Quarter.
Fishery			
Carps	Fingerlings	Harvesting season	Nursery ponds should be harvested and the fingerlings should be transferred to grow out ponds @ 10000 to 15000 nos. per ha.
	Pond management	Culture ponds in winter seasons	Grow out ponds should be properly cleaned from weeds and other aquatic weeds in the bank of the ponds and nearby the ponds so that the ponds can get proper Sunlight during winter season.
		Nursery ponds preparation	Proper monitoring should be done to check if there is any sign of infection or disease, and if so it should be removed immediately and treatment should be given after consulting with experts.
			Nursery pond preparation for common carp breeding can be initiated by draining out the ponds properly and allowing sufficient sunlight to fall on the pond bottoms.

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

