



GRAMIN KRISHI MAUSAM SEWA
ICAR Research Complex for NEH Region
Umroi Road, Umiam – 793 103 Meghalaya



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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – EAST KHASI HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 31.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 17-19°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 90-97%, Minimum RH: 57-92%, Wind speed: 2-4 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 31.0mm

C & RD BLOCK MAP OF MEGHALAYA

<p align="center">Agro meteorological Advisories for coming 5 days —</p>			
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Potato	Land preparation to planting		<ul style="list-style-type: none"> Continue sowing of HYVs of Potato like Kufri Joyti, Kufri Megha, Kufri Giriraj, Kufri Girdhari, Kufri Himsona, Kufri Himalini. Apply 100q/ha FYM in furrows before planting. Use sprouted seed tubers of size 40-50g. Make furrows of 50cm distance between the rows and plant the sprouted seeds in the furrows maintaining a distance of 20-25cm between plant to plant. Apply N: P: K- 75:120:60 kg/ha at the time of sowing. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting



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Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.



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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – NORTH GARO HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 25.0mm for the next five days. Maximum Temp: 26-27°C, Minimum Temp: 18-19°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 85-93%, Minimum RH: 61-77%, Wind speed: 2-5 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 25.0mm

C & RD BLOCK MAP OF MEGHALAYA

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories	
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage, 	
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition. 	
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing. 	
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting 	
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting. 	
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. 	



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			<ul style="list-style-type: none"> Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		Leaf Spot Rhizome rot (ginger)	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and 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.



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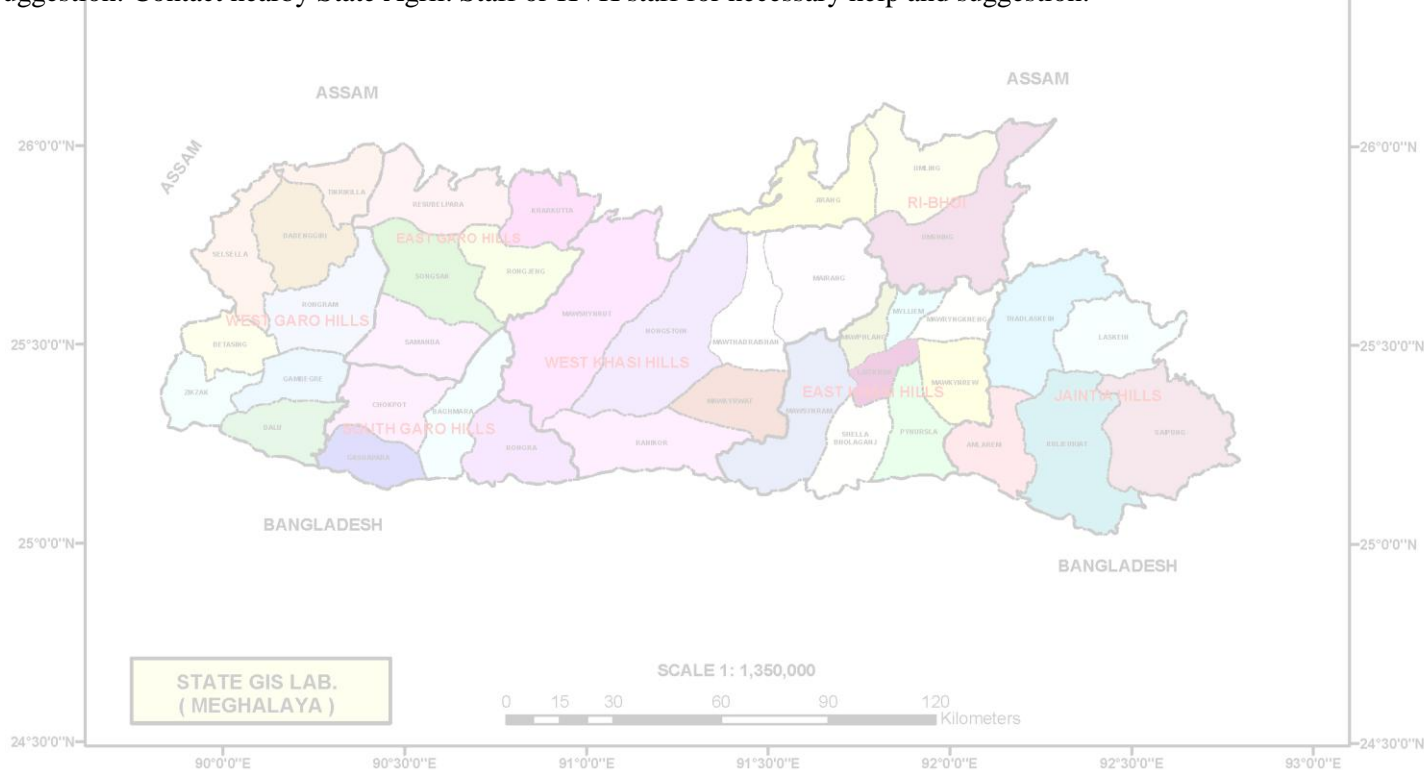
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		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Keep the pig stay/shed dry and clean and avoid dampness during rainy season. Repair the roof of pig stay to protect from rain. 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.
		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.

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





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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – Ri-Bhoi
(Period 5th – 9th November, 2016)

Weather summary of the past four days

Weather forecast valid up to 9th November, 2016

Sky was mainly cloudy with 0.0mm of rainfall. Maximum temperatures ranged between 26-27°C and minimum ranged between 15-16°C. Mean relative humidity was 86-97% in morning and 44-50% in evening. Wind speed ranged between 2-4kmph.

The possibility of Rainfall is 21.0mm for the next five days. Maximum Temp: 26-27°C, Minimum Temp: 15-17°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 85-98%, Minimum RH: 56-92%, Wind speed: 2-4Kmph, Wind direction: East-Southeast.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 21.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Potato	Land preparation to planting		<ul style="list-style-type: none"> Continue sowing of HYVs of Potato like Kufri Joyti, Kufri Megha, Kufri Giriraj, Kufri Girdhari, Kufri Himsona, Kufri Himalini. Apply 100q/ha FYM in furrows before planting. Use sprouted seed tubers of size 40-50g. Make furrows of 50cm distance between the rows and plant the sprouted seeds in the furrows maintaining a distance of 20-25cm between plant to plant. Apply N: P: K- 75:120:60 kg/ha at the time of sowing. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.



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Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		Leaf Spot	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water.
		Rhizome rot (ginger)	<ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags



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Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			
Poultry 	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and 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"> Keep the pig stay/shed dry and clean and avoid dampness. 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.
		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
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Dated: 04/11/2016

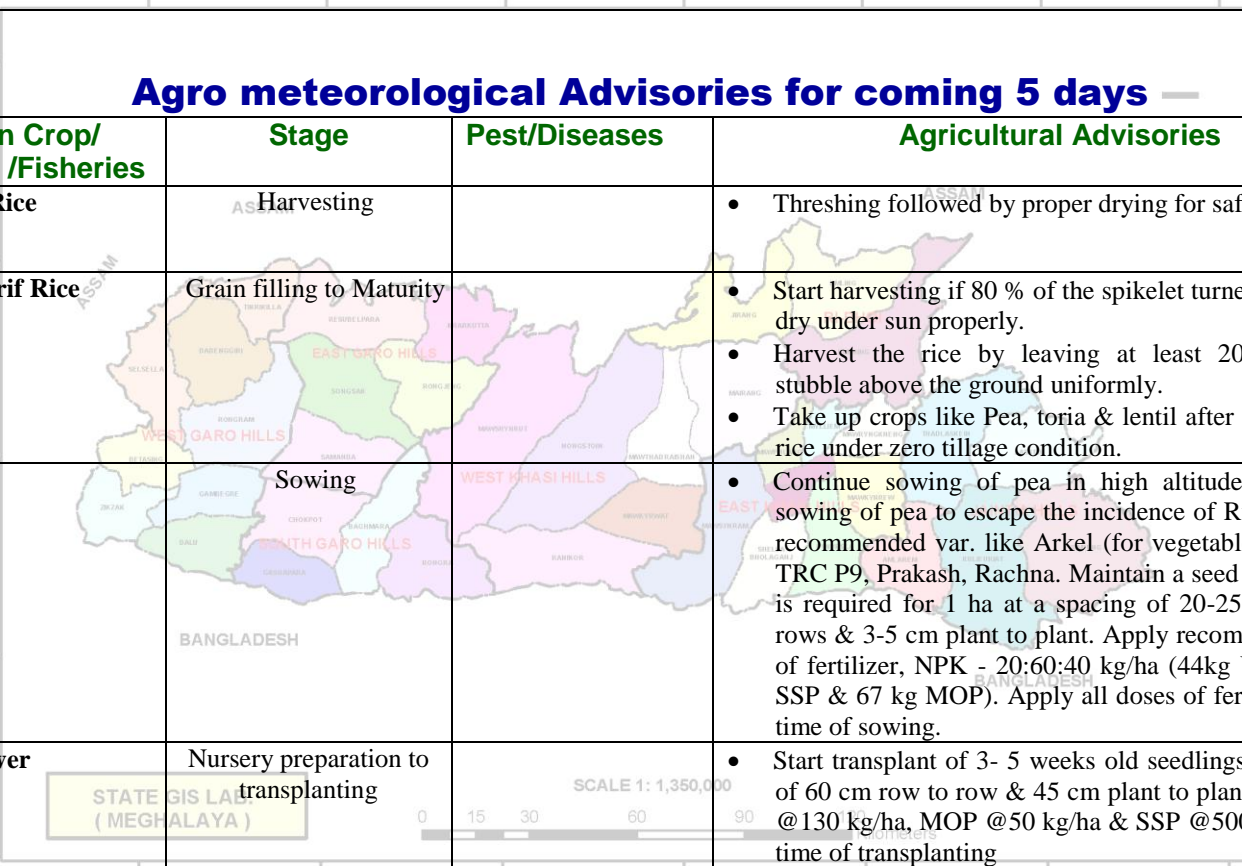
Agro Advisory Bulletin – SOUTH GARO HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 30.0mm for the next five days. Maximum Temp: 27-28°C, Minimum Temp: 18-20°C, Cloud cover: sky will be mainly cloudy i.e. 2-7 Okta, Maximum RH: 85-93%, Minimum RH: 60-85%, Wind speed: 2-6 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 30.0mm

C & RD BLOCK MAP OF MEGHALAYA

			
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
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	Leaf Spot Rhizome rot (ginger)		<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
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Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water.



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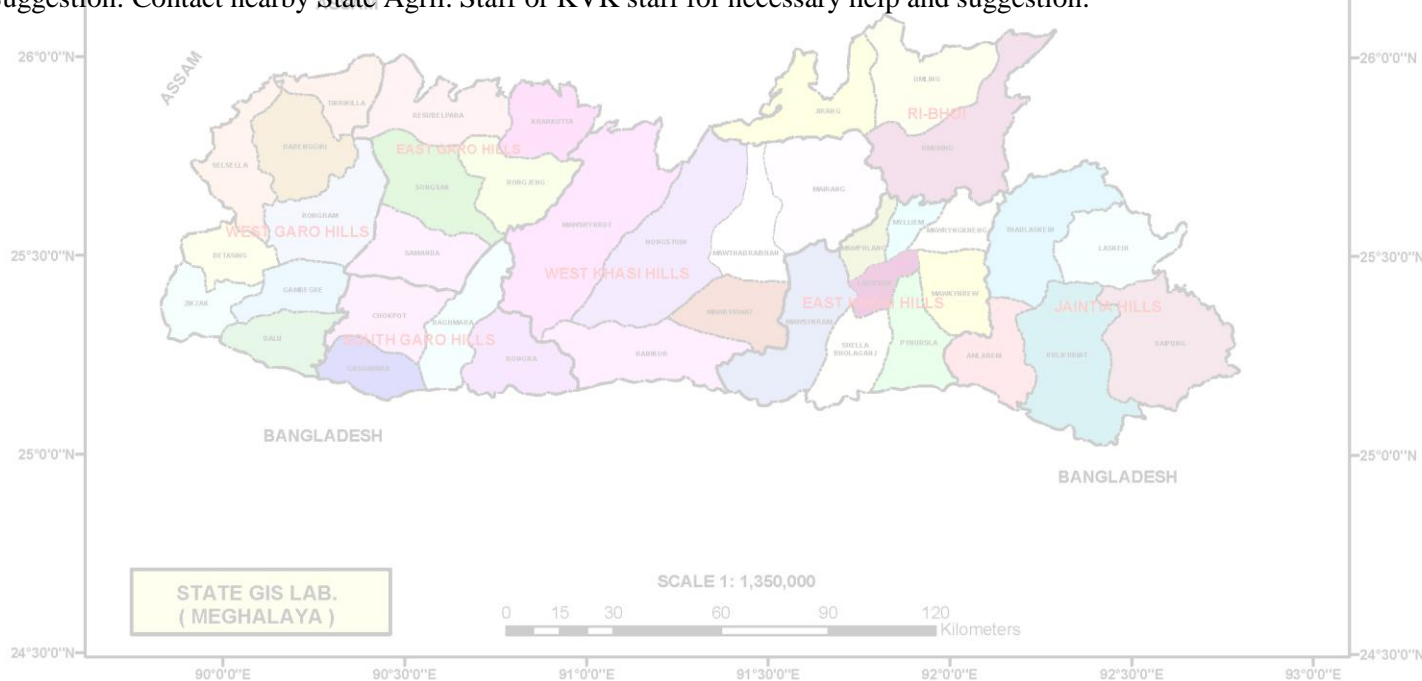
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			<ul style="list-style-type: none"> Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Keep the pig stay/shed dry and clean and avoid dampness during rainy season. Repair the roof of pig stay to protect from rain. 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.
		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.

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





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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – SOUTH WEST GARO HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 32.0mm for the next five days. Maximum Temp: 26-27°C, Minimum Temp: 17-18°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 81-94%, Minimum RH: 55-61%, Wind speed: 2-6 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 32.0mm

C & RD BLOCK MAP OF MEGHALAYA

<div>26°30'0"N</div> <div>90°0'0"E90°30'0"E91°0'0"E91°30'0"E92°0'0"E92°30'0"E93°0'0"E</div> <div>26°30'0"N</div> <div>Agro meteorological Advisories for coming 5 days</div>			
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none">Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none">Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly.Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly.Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none">Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none">Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none">Continue nursery preparation and transplanting of seedlings.Recommended variety: H-139, Pride of IndiaSeed rate of 400-500g is required for transplanting of 1 ha.Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant.Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.



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Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		Leaf Spot Rhizome rot (ginger)	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and 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



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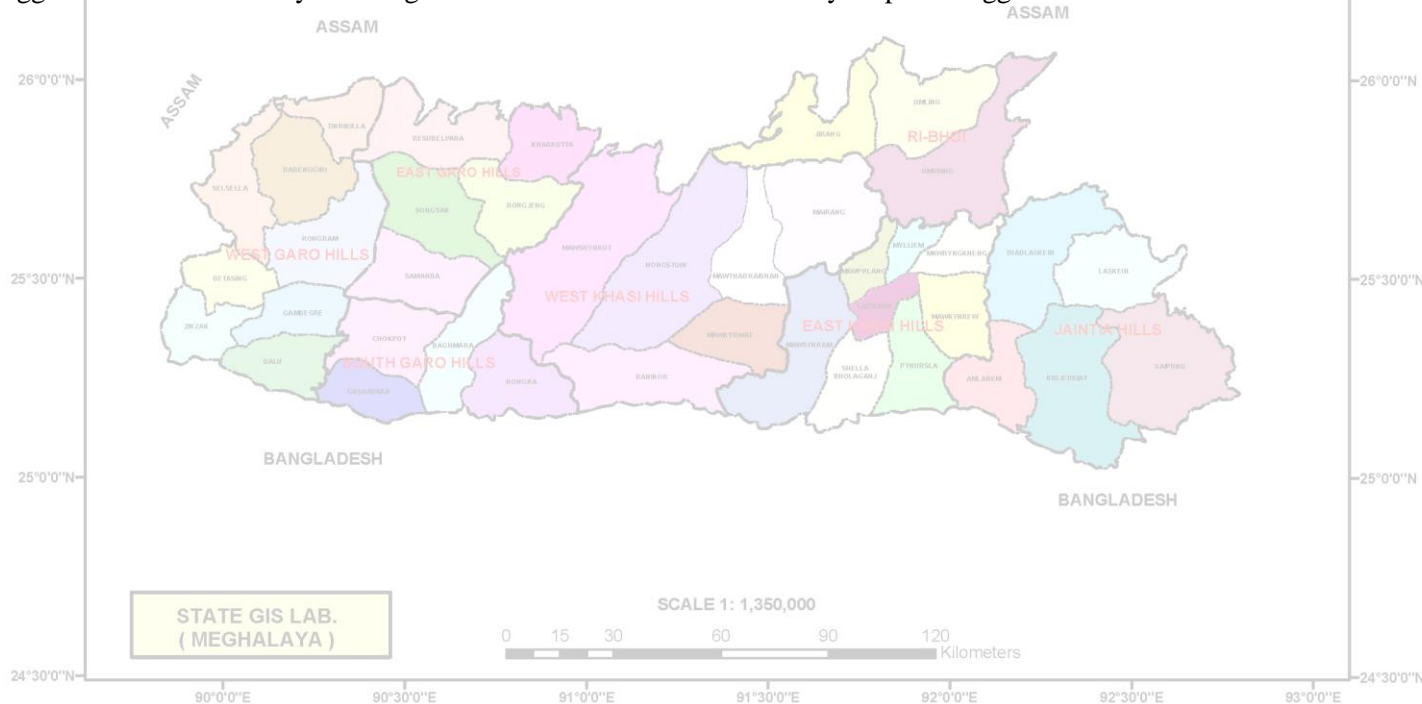
Umroi Road, Umiam – 793 103 Meghalaya



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			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"> Keep the pig stay/shed dry and clean and avoid dampness during rainy season. Repair the roof of pig stay to protect from rain. 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.
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.

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





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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – SOUTH WEST KHASI HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 23.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 19-20°C, Cloud cover: sky will be mainly cloudy i.e. 3-7 Okta, Maximum RH: 90-97%, Minimum RH: 58-91%, Wind speed: 2-4 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 23.0mm

C & RD BLOCK MAP OF MEGHALAYA

<p>26°30'0"N</p> <p align="center">Agro meteorological Advisories for coming 5 days —</p> <p align="center">26°30'0"N</p>			
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Potato	Land preparation to planting		<ul style="list-style-type: none"> Continue sowing of HYVs of Potato like Kufri Joyti, Kufri Megha, Kufri Giriraj, Kufri Girdhari, Kufri Himsona, Kufri Himalini. Apply 100q/ha FYM in furrows before planting. Use sprouted seed tubers of size 40-50g Make furrows of 50cm distance between the rows and plant the sprouted seeds in the furrows maintaining a distance of 20-25cm between plant to plant. Apply N: P: K- 75:120:60 kg/ha at the time of sowing. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of



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			<ul style="list-style-type: none"> seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking



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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – WEST GARO HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 10.0mm for the next five days. Maximum Temp: 27-28°C, Minimum Temp: 18-20°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 80-91%, Minimum RH: 59-77%, Wind speed: 2-7 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall : 10.0mm

C & RD BLOCK MAP OF MEGHALAYA

<p>26°30'0"N</p> <p align="center">Agro meteorological Advisories for coming 5 days —</p> <p>26°30'0"N</p>				
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories	
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage, 	
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition. 	
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing. 	
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting 	
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting. 	



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Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
	Leaf Spot Rhizome rot (ginger)		<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the droppings of the poultry birds for any diseases symptom.
		Coccidiosis	<ul style="list-style-type: none"> Provide plenty of fresh and clean drinking water.



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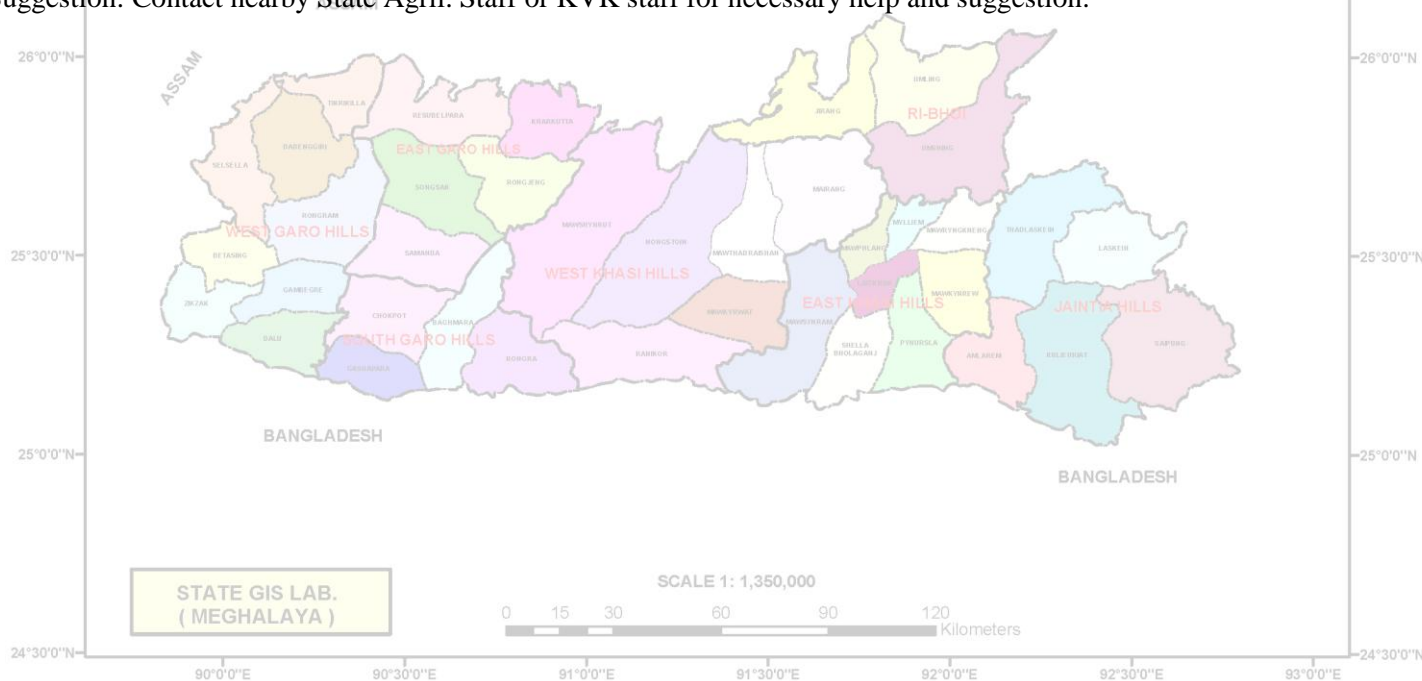
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			<ul style="list-style-type: none"> Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul style="list-style-type: none"> Keep the pig stay/shed dry and clean and avoid dampness during rainy season. Repair the roof of pig stay to protect from rain. 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.
		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.

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





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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – WEST JAINTIA HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 38.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 16-17°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 93-98%, Minimum RH: 54-94%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall : 38.0mm

C & RD BLOCK MAP OF MEGHALAYA

<p align="center">Agro meteorological Advisories for coming 5 days —</p>			
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Potato	Land preparation to planting		<ul style="list-style-type: none"> Continue sowing of HYVs of Potato like Kufri Joyti, Kufri Megha, Kufri Giriraj, Kufri Girdhari, Kufri Himsona, Kufri Himalini. Apply 100q/ha FYM in furrows before planting. Use sprouted seed tubers of size 40-50g Make furrows of 50cm distance between the rows and plant the sprouted seeds in the furrows maintaining a distance of 20-25cm between plant to plant. Apply N: P: K- 75:120:60 kg/ha at the time of sowing. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting



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Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			



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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – WEST KHASI HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 13.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 16-18°C, Cloud cover: sky will be mainly cloudy i.e. 4-7 Okta, Maximum RH: 80-96%, Minimum RH: 61-87%, Wind speed: 2-4 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 13.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days —			
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Potato	Land preparation to planting		<ul style="list-style-type: none"> Continue sowing of HYVs of Potato like Kufri Joyti, Kufri Megha, Kufri Giriraj, Kufri Girdhari, Kufri Himsona, Kufri Himalini. Apply 100q/ha FYM in furrows before planting. Use sprouted seed tubers of size 40-50g Make furrows of 50cm distance between the rows and plant the sprouted seeds in the furrows maintaining a distance of 20-25cm between plant to plant. Apply N: P: K- 75:120:60 kg/ha at the time of sowing. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting



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Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			



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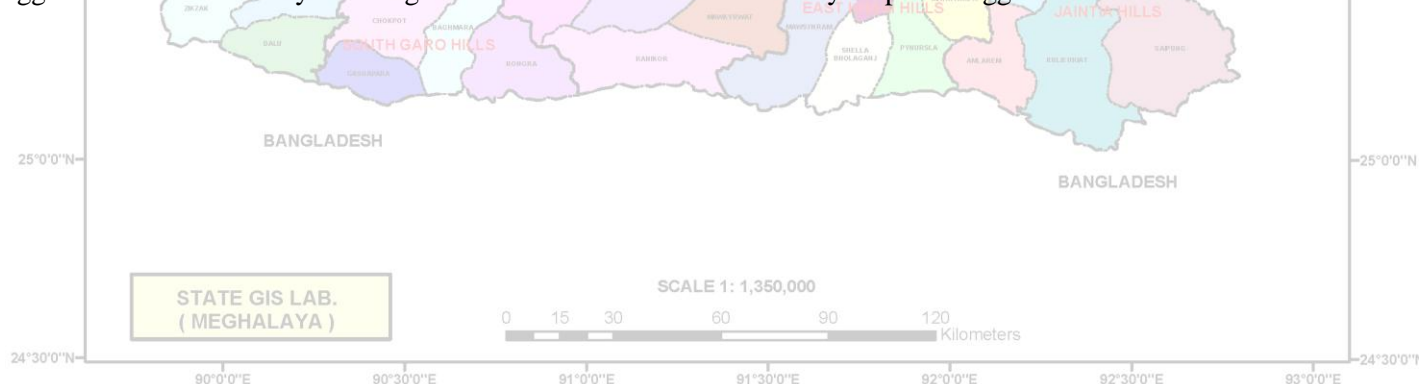
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Poultry	All stages		<ul style="list-style-type: none"> • Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. • Litter should be changed periodically and provide clean drinking water and changed the water every 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"> • Keep the pig stay/shed dry and clean and avoid dampness during rainy season. • Repair the roof of pig stay to protect from rain. • 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.
		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.

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





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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – East Garo Hills
(Period 5th – 9th November, 2016)

Weather summary of the past five days

Sky was partly cloudy with 0.0mm rainfall. Maximum temperatures ranged between 28-29°C and minimum ranged between 16-17°C. Relative humidity was 85-90% in morning and 47-53% in evening. Wind speed ranged between 3-4kmph.

Weather forecast valid up to 9th Nov., 2016

The possibility of Rainfall is 20.0mm for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 19-20°C, Cloud cover: sky will be mainly cloudy i.e. 2-8 Okta, Maximum RH: 80-92%, Minimum RH: 62-80%, Wind speed: 2-4Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall : 20.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases/Mgmt	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly. Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @130 kg/ha, MOP @50 kg/ha & SSP @500 kg/ha at the time of transplanting
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to



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			<p>plant.</p> <ul style="list-style-type: none"> • Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> • Continue nursery preparation and transplanting of seedlings. • Recommended variety: Puspa, Aiswarya • Seed rate of 400-500g is required for transplanting of 1 ha. • Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. • Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> • Give one hand weeding followed by fertilizer application, earthing up and mulching. • Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. • Mulching can be done with locally available weed biomass, maize stalk, etc. • Avoid water logging as it causes rhizome rot and fungal disease development.
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> • To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. • Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> • Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. • Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. • Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> • Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. • After harvesting, dry the crop for 3 days and undertake threshing.
Khasi Mandarin	All stage		<ul style="list-style-type: none"> • Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). • Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days



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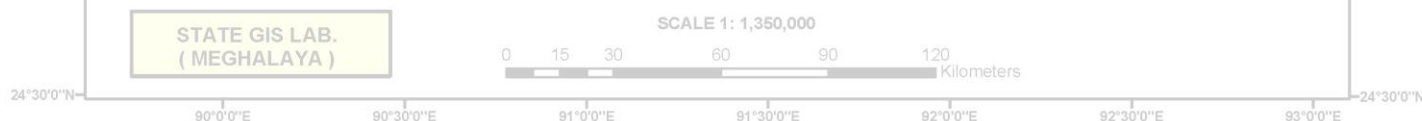
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			interval.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and 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"> Keep the pig stay/shed dry and clean and avoid dampness during rainy season. Repair the roof of pig stay to protect from rain. 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.
		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.

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





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RC (AE)/30/2011/ Bulletin/November'2016/63

Dated: 04/11/2016

Agro Advisory Bulletin – EAST JAINTIA HILLS
(Period 5th – 9th November, 2016)

Weather forecast valid up to 9th November, 2016

The possibility of Rainfall is 49.0mm for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 17-18°C, Cloud cover: sky will be mainly cloudy i.e. 5-7 Okta, Maximum RH: 93-98%, Minimum RH: 52-91%, Wind speed: 3-4 Kmph, Wind direction: Northeast-East.

C & RD BLOCK MAP OF MEGHALAYA

Weekly cumulative rainfall : 49.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Upland Rice	Harvesting		<ul style="list-style-type: none"> Threshing followed by proper drying for safe storage,
Sali/Kharif Rice	Grain filling to Maturity		<ul style="list-style-type: none"> Start harvesting if 80 % of the spikelet turned yellow and dry under sun properly, Harvest the rice by leaving at least 20cm standing stubble above the ground uniformly. Take up crops like Pea, toria & lentil after harvesting of rice under zero tillage condition.
Pea	Sowing		<ul style="list-style-type: none"> Continue sowing of pea in high altitude. Avoid late sowing of pea to escape the incidence of Rust. Use only recommended var. like Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Potato	Land preparation to planting		<ul style="list-style-type: none"> Continue sowing of HYVs of Potato like Kufri Joyti, Kufri Megha, Kufri Giriraj, Kufri Girdhari, Kufri Himsona, Kufri Himalini. Apply 100q/ha FYM in furrows before planting. Use sprouted seed tubers of size 40-50g. Make furrows of 50cm distance between the rows and plant the sprouted seeds in the furrows maintaining a distance of 20-25cm between plant to plant. Apply N: P: K- 75:120:60 kg/ha at the time of sowing. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.



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Cauliflower	Nursery preparation to transplanting		<ul style="list-style-type: none"> Start transplant of 3- 5 weeks old seedlings at a spacing of 60 cm row to row & 45 cm plant to plant. Apply urea @ 130 kg/ha, MOP @ 50 kg/ha & SSP @ 500 kg/ha at the time of transplanting
Cabbage	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: H-139, Pride of India Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45 cm row to row & 30cm plant to plant. Apply half dose of N (130.2 kg/ha urea) & K (50 kg/ha MOP) & full dose of P (500 kg/ha SSP) & at the time of transplanting.
Broccoli	Nursery preparation to transplanting		<ul style="list-style-type: none"> Continue nursery preparation and transplanting of seedlings. Recommended variety: Puspa, Aiswarya Seed rate of 400-500g is required for transplanting of 1 ha. Transplant 3- 5 weeks old seedlings at a spacing of 45cm row to row & 30cm plant to plant. Apply half dose of N (30 kg/ha urea), full dose of P (500 kg/ha SSP) and K (100 kg/ha MOP) at the time of transplanting.
Ginger/ Turmeric	Rhizome development stage		<ul style="list-style-type: none"> Give one hand weeding followed by fertilizer application, earthing up and mulching. Apply 81.4 kg/ha urea and 41.75 kg/ha MOP for ginger; for turmeric apply 65.1 kg/ha urea and 100.2 kg/ha MOP at 90 DAS. Mulching can be done with locally available weed biomass, maize stalk, etc. Avoid water logging as it causes rhizome rot and fungal disease development.
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Groundnut	Maturity to Harvesting stage		<ul style="list-style-type: none"> Start harvesting the plant when the bottom leaves shed, top leaves & stem turn yellow and 70–80% of the pods start yellowing. Harvesting can be done either by hand pulling of the plants from bottom if there is adequate moisture or by digging with spade. Stack the plants in inverted position and dry in sun for 3 – 4 days to bring down the moisture content to 7-8% for safe storage. Clean the dry pod and store in gunny bags
Soyabean	Maturity to Harvesting		<ul style="list-style-type: none"> Yellowing of pods and dropping of leaves in soyabean indicates maturity. Farmers are advised to harvest their crop if 95 % of the pods become yellow and the moisture content of the seeds during harvesting should be 14-15 %. After harvesting, dry the crop for 3 days and undertake threshing.



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Khasi Mandarin	All stage		<ul style="list-style-type: none"> Paste the trunk of Mandarin tree upto 2m height with 1% Carbaryl 150 WP (20g/l). Collect and destroy the trunk borer adults by shaking the branches 2-3 times at 10 days interval.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and 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"> Keep the pig stay/shed dry and clean and avoid dampness during rainy season. Repair the roof of pig stay to protect from rain. 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.
		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.

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

