



**Agro Advisory Bulletin – SOUTH WEST GARO HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 17-20°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 57-77%, Minimum RH: 28-33%, Wind speed: 5-6 Kmph, Wind direction: Northeast-Southeast.

**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
<b>Maize</b> High & Mid altitude Region	ASSAM Land preparation & Sowing		ASSAM <ul style="list-style-type: none"> <li>• Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>• Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>• Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>• Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>• Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		STATE GIS LAB. ( MEGHALAYA ) <ul style="list-style-type: none"> <li>• Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>• Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>• Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>• Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<b>Nursery bed preparation</b> <ul style="list-style-type: none"> <li>• Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of</li> </ul>



# GRAMIN KRISHI MAUSAM SEWA

## ICAR Research Complex for NEH Region

### Umroi Road, Umiam – 793 103 Meghalaya



☎ Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: [iaasbarapani@yahoo.in](mailto:iaasbarapani@yahoo.in)

			<p>seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>	<p></p>	<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>	<p></p>	<ul style="list-style-type: none"> <li>• Transplant seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Khasi Mandarin</b></p>	<p></p>	<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> </ul> <p><b>Nutrient application:</b></p> <ul style="list-style-type: none"> <li>• Apply 30kg FYM/Tree</li> <li>• 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<p><b>Animal Sciences</b></p>			
<p><b>Poultry</b></p>	<p>All stages</p>	<p></p>	<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>• Litter should be changed periodically and provide clean drinking water and change the water every day.</li> <li>• Diseased and dead birds should be immediately removed.</li> <li>• Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
		<p>Coccidiosis</p>	<ul style="list-style-type: none"> <li>• Provide plenty of fresh and clean drinking water.</li> <li>• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg</li> </ul>



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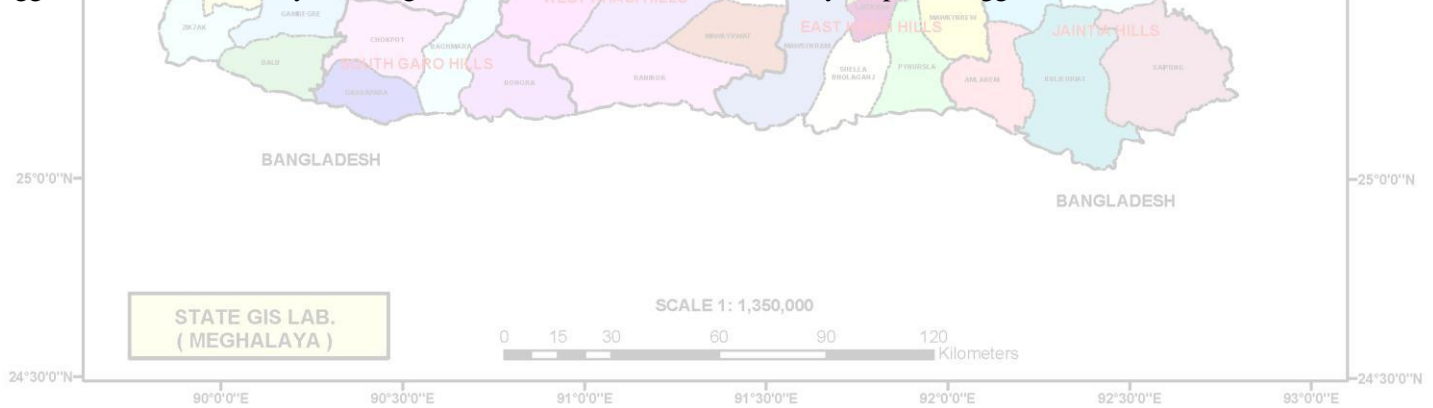


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			feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
		Skin infection	<ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>

<b>Fishery</b>			
Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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





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**Weather forecast valid up to 16<sup>th</sup> April, 2017**

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 26-28°C, Minimum Temp: 14-15°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 59-82%, Minimum RH: 28-37%, Wind speed: 4-5 Kmph, Wind direction: Eastern.

**Weekly cumulative rainfall : 0.0mm**

C & RD BLOCK MAP OF MEGHALAYA

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Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<b>Maize</b> High & Mid altitude Region	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<p><b>Nursery bed preparation</b></p> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or</li> </ul>



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<p><b>Spring Potato</b></p>	<p>Early vegetative stage</p>		<ul style="list-style-type: none"> <li>• Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1<sup>st</sup> irrigation: 25-30 DAS; 2<sup>nd</sup> irrigation: 60 DAS; 3<sup>rd</sup> irrigation: 80 DAS</li> </ul>
<p><b>Khasi Mandarin</b></p>		<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b></li> <li>• Apply 30kg FYM/Tree</li> <li>• 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
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<p><b>Poultry</b></p>	<p>All stages</p>		<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> </ul>



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		Coccidiosis	<ul style="list-style-type: none"> <li>• Provide plenty of fresh and clean drinking water.</li> <li>• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
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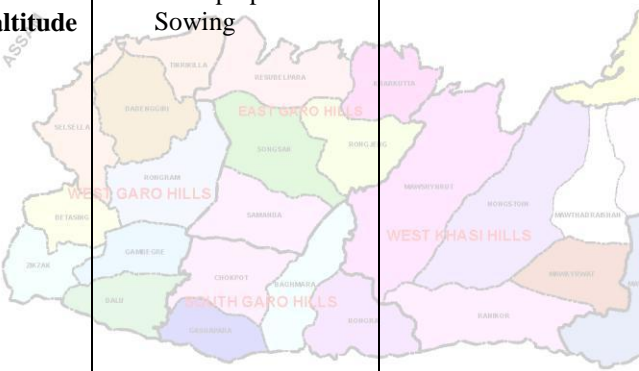

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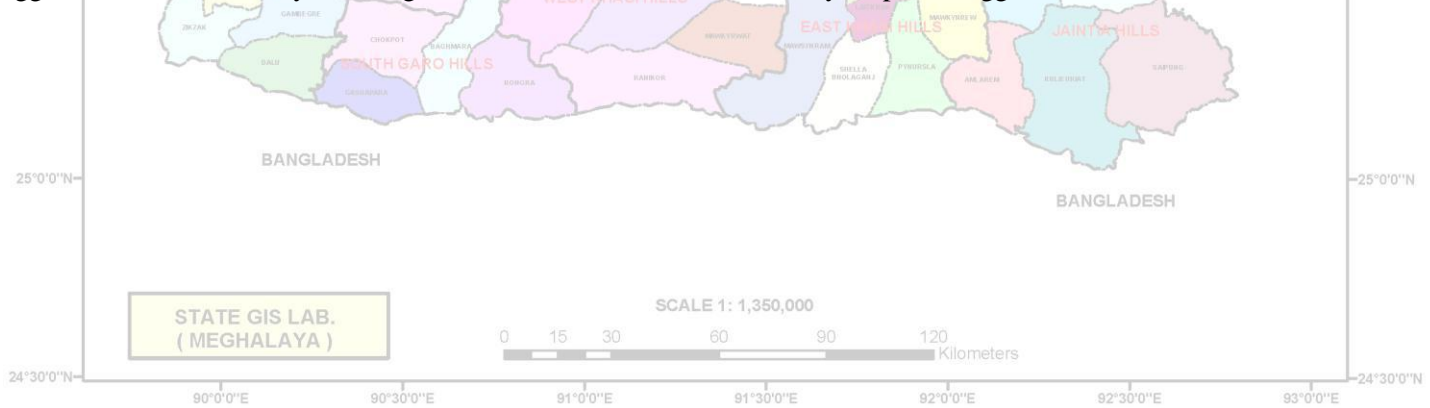


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			feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
		Skin infection	<ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>

<b>Fishery</b>			
Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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





**Agro Advisory Bulletin – WEST JAINTIA HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 26-28°C, Minimum Temp: 14-16°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 65-79%, Minimum RH: 24-31%, Wind speed: 2-4 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
<b>Maize</b> High & Mid altitude Region	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<p><b>Nursery bed preparation</b></p> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or</li> </ul>



# GRAMIN KRISHI MAUSAM SEWA

## ICAR Research Complex for NEH Region

### Umroi Road, Umiam – 793 103 Meghalaya



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			<p>polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant of seedlings of age 25-30 days old in beds at a spacing of 75x 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7<sup>th</sup> day after transplanting</li> </ul>
<p><b>Spring Potato</b></p>	<p>Early vegetative stage</p>		<ul style="list-style-type: none"> <li>• Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1<sup>st</sup> irrigation: 25-30 DAS; 2<sup>nd</sup> irrigation: 60 DAS; 3<sup>rd</sup> irrigation: 80 DAS</li> </ul>
<p><b>Khasi Mandarin</b></p>		<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b></li> <li>• Apply 30kg FYM/Tree</li> <li>• 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<p><b>Animal Sciences</b></p>			
<p><b>Poultry</b></p>	<p>All stages</p>		<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> </ul>



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			<ul style="list-style-type: none"> <li>• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>• Litter should be changed periodically and provide clean drinking water and change the water every day.</li> <li>• Diseased and dead birds should be immediately removed.</li> <li>• Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
		Coccidiosis	<ul style="list-style-type: none"> <li>• Provide plenty of fresh and clean drinking water.</li> <li>• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disease	<ul style="list-style-type: none"> <li>• Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>• Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>• In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>• Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Skin infection	<ul style="list-style-type: none"> <li>• Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
		Brucellosis	<ul style="list-style-type: none"> <li>• Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>• Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>
<b>Fishery</b>			
Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>• Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>• After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>• Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>• Maintain water pH at around 7.5 by application of lime.</li> </ul>

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





**Agro Advisory Bulletin – WEST KHASI HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

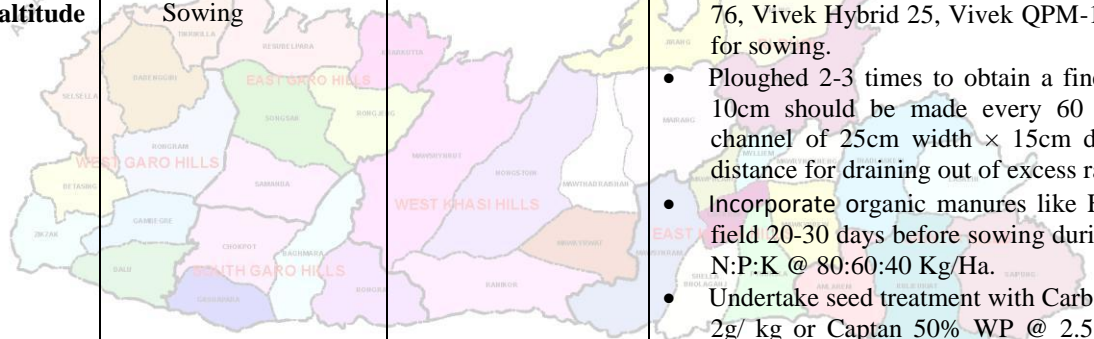
The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 14-16°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 64-83%, Minimum RH: 28-33%, Wind speed: 3-4 Kmph, Wind direction: Eastern.

**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
<b>Maize</b> <b>High &amp; Mid altitude</b> <b>Region</b>	ASSAM Land preparation & Sowing 		<ul style="list-style-type: none"> <li>• Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>• Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>• Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>• Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>• Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>• Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>• Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>• Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>• Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<b>Nursery bed preparation</b> <ul style="list-style-type: none"> <li>• Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or</li> </ul>



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			<p>polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant of seedlings of age 25-30 days old in beds at a spacing of 75x 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Spring Potato</b></p>	<p>Early vegetative stage</p>		<ul style="list-style-type: none"> <li>• Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1<sup>st</sup> irrigation: 25-30 DAS; 2<sup>nd</sup> irrigation: 60 DAS; 3<sup>rd</sup> irrigation: 80 DAS</li> </ul>
<p><b>Khasi Mandarin</b></p>		<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b></li> <li>• Apply 30kg FYM/Tree</li> <li>• 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<p><b>Animal Sciences</b></p>			
<p><b>Poultry</b></p>	<p>All stages</p>		<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> </ul>



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			<ul style="list-style-type: none"> <li>• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>• Litter should be changed periodically and provide clean drinking water and change the water every day.</li> <li>• Diseased and dead birds should be immediately removed.</li> <li>• Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
		Coccidiosis	<ul style="list-style-type: none"> <li>• Provide plenty of fresh and clean drinking water.</li> <li>• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disease	<ul style="list-style-type: none"> <li>• Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>• Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>• In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>• Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Skin infection	<ul style="list-style-type: none"> <li>• Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
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		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>• Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>
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Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>• Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>• After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>• Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>• Maintain water pH at around 7.5 by application of lime.</li> </ul>

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





## Agro Advisory Bulletin – East Garo Hills (Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)

### Weather summary of the past five days

### Weather forecast valid up to 16<sup>th</sup> April, 2017

Sky was partly cloudy with 5.0mm rainfall. Maximum temperatures ranged between 28-29°C and minimum ranged between 17-18°C. Relative humidity was 92-96% in morning and 50-60% in evening. Wind speed ranged between: 3-6 kmph.

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 16-18°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 62-84%, Minimum RH: 31-37%, Wind speed: 4-6 Kmph, Wind direction: Eastern.

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
<b>Maize High &amp; Mid altitude Region</b>	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<b>Nursery bed preparation</b> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>.</li> </ul>





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		<p align="center">C &amp; RD BLOCK MAP OF MEGHALAYA</p>	<p>Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M -45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant of seedlings of age 25-30 days old in beds at a spacing of 75x 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Khasi Mandarin</b></p>		<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b> • Apply 30kg FYM/Tree</li> </ul>



# GRAMIN KRISHI MAUSAM SEWA

## ICAR Research Complex for NEH Region

### Umroi Road, Umiam – 793 103 Meghalaya



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			<ul style="list-style-type: none"> <li>650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages		<ul style="list-style-type: none"> <li>Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
		Coccidiosis	<ul style="list-style-type: none"> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disease	<ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
		Skin infection	<ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>
<b>Fishery</b>			
<b>Common carp</b>	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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



**Agro Advisory Bulletin – EAST JAINTIA HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 26-27°C, Minimum Temp: 14-15°C, Cloud cover: sky will be mainly clear i.e. 0-1 Okta, Maximum RH: 65-81%, Minimum RH: 23-35%, Wind speed: 2-4 Kmph, Wind direction: Northeast-Southeast.

**Weekly cumulative rainfall : 0.0mm**

C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<b>Maize</b> <b>High &amp; Mid altitude</b> <b>Region</b>	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<b>Nursery bed preparation</b> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of</li> </ul>



**GRAMIN KRISHI MAUSAM SEWA**  
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			<p>seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	Seed bed preparation/Sowing		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	Transplanting to early vegetative growth		<ul style="list-style-type: none"> <li>• Transplant seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Spring Potato</b></p>	Early vegetative stage		<ul style="list-style-type: none"> <li>• Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1<sup>st</sup> irrigation: 25-30 DAS; 2<sup>nd</sup> irrigation: 60 DAS; 3<sup>rd</sup> irrigation: 80 DAS</li> </ul>
<p><b>Khasi Mandarin</b></p>		Powdery Mildew	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b> Apply 30kg FYM/Tree 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<b>Animal Sciences</b>			
<p><b>Poultry</b></p>	All stages		<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>• Provide vitamin B complex @ 7ml/litre in drinking</li> </ul>



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			<ul style="list-style-type: none"> <li>water daily in broiler for healthy growth.</li> <li>Litter should be changed periodically and provide clean drinking water and change the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
		Coccidiosis	<ul style="list-style-type: none"> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disease	<ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>
<b>Fishery</b>			
Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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





**Agro Advisory Bulletin – EAST KHASI HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 11-13°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 63-80%, Minimum RH: 25-32%, Wind speed: 2-4 Kmph, Wind direction: Eastern.

**Weekly cumulative rainfall : 0.0mm**

C & RD BLOCK MAP OF MEGHALAYA

<b>Agro meteorological Advisories for coming 5 days</b>			
<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/Diseases</b>	<b>Agricultural Advisories</b>
<b>Maize High &amp; Mid altitude Region</b>	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<p><b>Nursery bed preparation</b></p> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch</li> </ul>



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			<p>material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant seedlings of age 25-30 days old in beds at a spacing of 75x 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Spring Potato</b></p>	<p>Early vegetative stage</p>		<ul style="list-style-type: none"> <li>• Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1<sup>st</sup> irrigation: 25-30 DAS; 2<sup>nd</sup> irrigation: 60 DAS; 3<sup>rd</sup> irrigation: 80 DAS</li> </ul>
<p><b>Khasi Mandarin</b></p>		<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b></li> <li>• Apply 30kg FYM/Tree</li> <li>• 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<p><b>Animal Sciences</b></p>			
<p><b>Poultry</b></p>	<p>All stages</p>		<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> </ul>



# GRAMIN KRISHI MAUSAM SEWA

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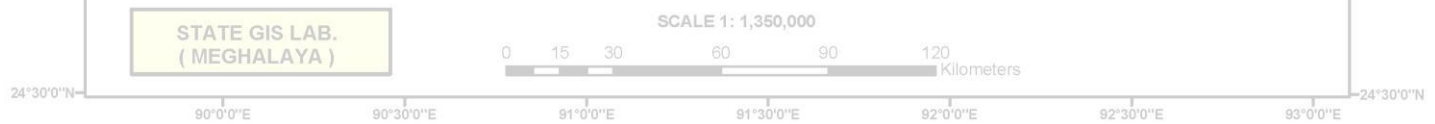
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		Coccidiosis	<ul style="list-style-type: none"> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disease	<ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
		Skin infection	<ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>
<b>Fishery</b>			
Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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







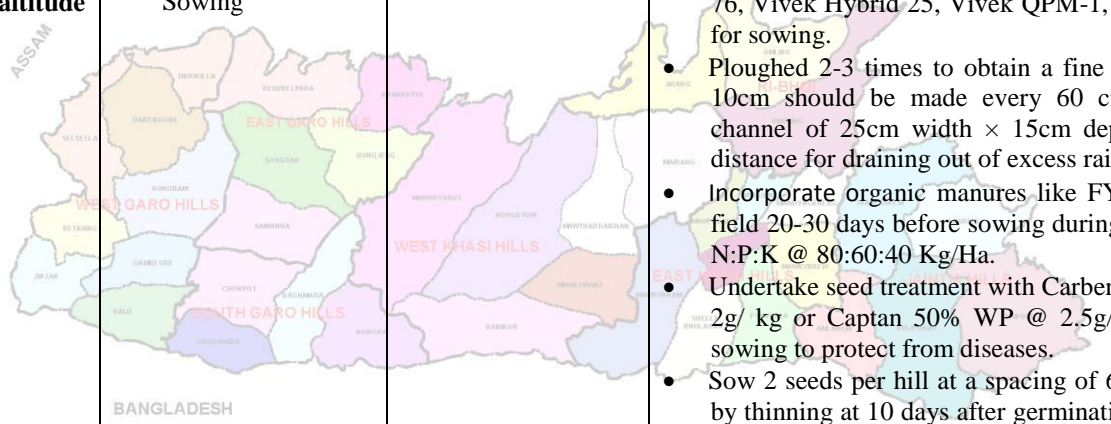

**Agro Advisory Bulletin – NORTH GARO HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 14-16°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 65-85%, Minimum RH: 30-34%, Wind speed: 3-5 Kmph, Wind direction: Eastern.

**Weekly cumulative rainfall : 0.0mm**

C & RD BLOCK MAP OF MEGHALAYA

<b>Agro meteorological Advisories for coming 5 days</b>			
<b>Main Crop/ Animal /Fisheries</b>	<b>Stage</b>	<b>Pest/Diseases</b>	<b>Agricultural Advisories</b>
<b>Maize High &amp; Mid altitude Region</b>	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<p><b>Nursery bed preparation</b></p> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch</li> </ul>



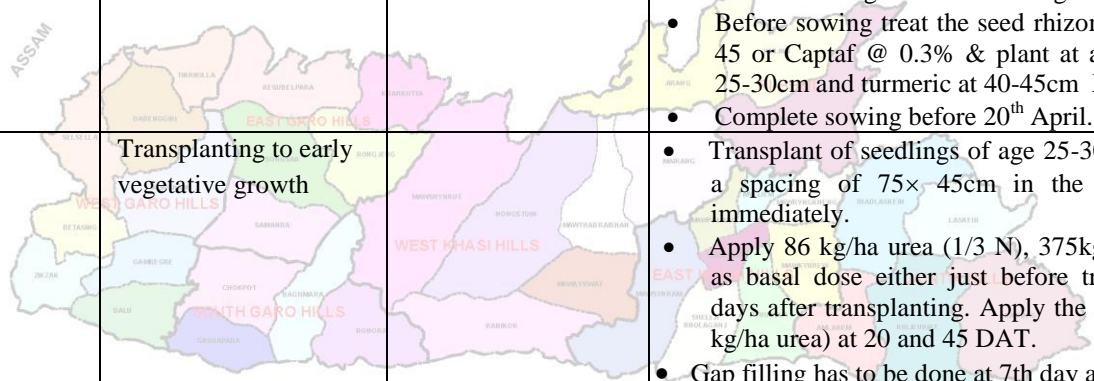
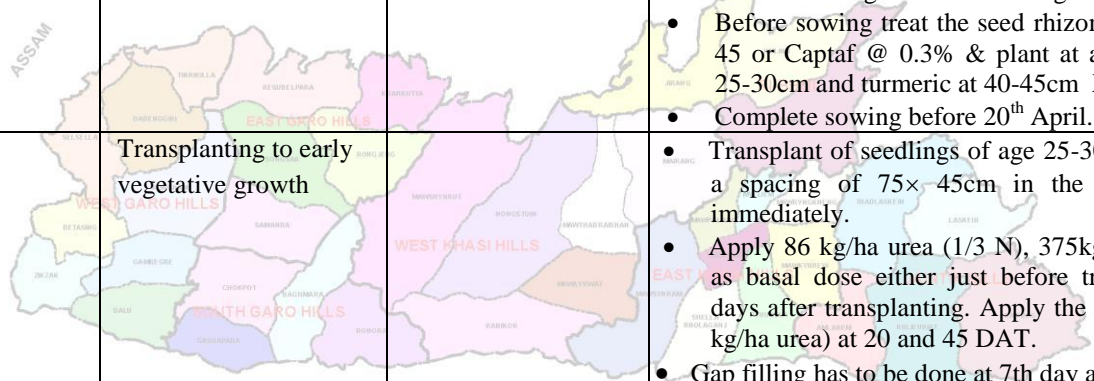
# GRAMIN KRISHI MAUSAM SEWA

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			<p>material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p> 	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p> 	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant seedlings of age 25-30 days old in beds at a spacing of 75x 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Khasi Mandarin</b></p> 	<p>BANGLADESH</p>	<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> <li>• <b>Nutrient application:</b> Apply 30kg FYM/Tree 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<p><b>Animal Sciences</b></p>			
<p><b>Poultry</b></p>	<p>All stages</p>		<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>• Litter should be changed periodically and provide clean drinking water and change the water every day.</li> <li>• Diseased and dead birds should be immediately removed.</li> <li>• Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
		<p>Coccidiosis</p>	<ul style="list-style-type: none"> <li>• Provide plenty of fresh and clean drinking water.</li> <li>• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against</li> </ul>



# GRAMIN KRISHI MAUSAM SEWA

## ICAR Research Complex for NEH Region

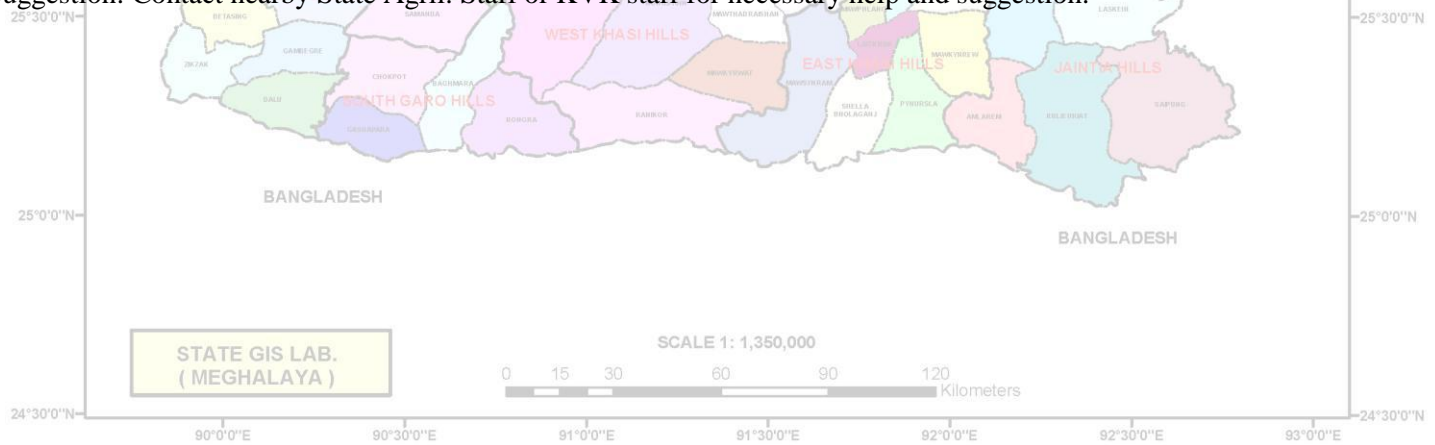
### Umroi Road, Umiam – 793 103 Meghalaya



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		Ranikhet disease	<p>coccidiosis.</p> <ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
		Skin infection	<ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>
<b>Fishery</b>			
Common carp	Brooders/ Breeding season ASSAM		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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





## Agro Advisory Bulletin – Ri-Bhoi (Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)

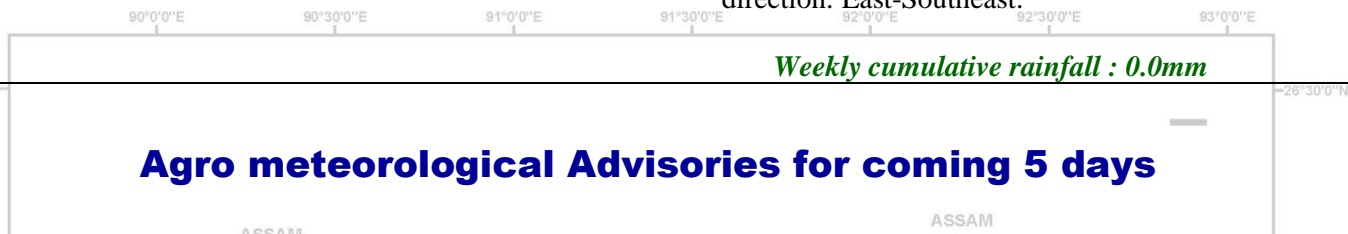
**Weather summary of the past four days**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

Sky was mainly cloudy with 4.9mm of rainfall. Maximum temperatures ranged between 27.0-31.7°C and minimum ranged between 17.0-17.6°C. Mean relative humidity was 88-94% in morning and 42-47% in evening. Wind speed ranged between 2-4 kmph.

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 26.0-30.0°C, Minimum Temp: 15.0-16.0°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 67-82%, Minimum RH: 27-30%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

C & RD BLOCK MAP OF MEGHALAYA



### Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
<b>Maize</b> High & Mid altitude Region	Land preparation & Sowing		<ul style="list-style-type: none"> <li>Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<p><b>Nursery bed preparation</b></p> <ul style="list-style-type: none"> <li>Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>.</li> </ul>



# GRAMIN KRISHI MAUSAM SEWA

## ICAR Research Complex for NEH Region

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			<p>Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with <i>Trichoderma viride</i> @ 4 g / kg or <i>Pseudomonas fluorescens</i> @ 10 g / kg of seed or <i>Azospirillum</i> @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M -45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant of seedlings of age 25-30 days old in beds at a spacing of 75x 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>



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<b>Spring Potato</b>	Early vegetative stage		<ul style="list-style-type: none"> <li>Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1<sup>st</sup> irrigation: 25-30 DAS; 2<sup>nd</sup> irrigation: 60 DAS; 3<sup>rd</sup> irrigation: 80 DAS</li> </ul>
<b>Khasi Mandarin</b>		Powdery Mildew	<ul style="list-style-type: none"> <li>Spray Sulfex E 2.5 g/litre of water during flush.</li> </ul> <p style="text-align: center;"><b>Nutrient application:</b></p> <ul style="list-style-type: none"> <li>Apply 30kg FYM/Tree</li> <li>650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>

### Animal Sciences

<b>Poultry</b>	All stages		<ul style="list-style-type: none"> <li>Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be change periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> </ul>
			<p><b>Coccidiosis</b></p> <ul style="list-style-type: none"> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
			<p><b>Ranikhet disease</b></p> <ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
			<p><b>Skin infection</b></p> <ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>

### Fishery



# GRAMIN KRISHI MAUSAM SEWA

## ICAR Research Complex for NEH Region

### Umroi Road, Umiam – 793 103 Meghalaya

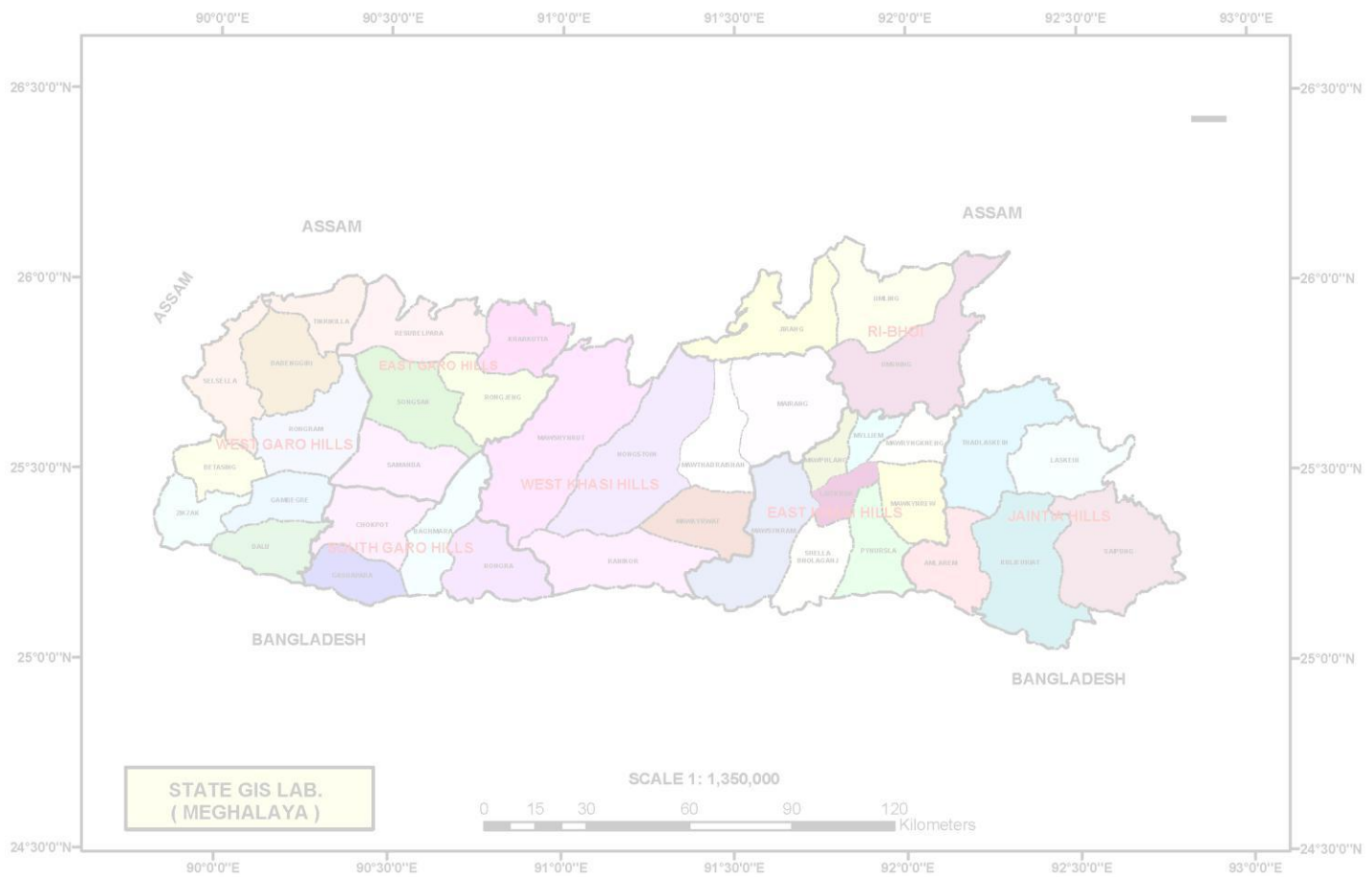


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Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





**Agro Advisory Bulletin – SOUTH GARO HILLS**  
**(Period 12<sup>th</sup> – 16<sup>th</sup> April, 2017)**

**Weather forecast valid up to 16<sup>th</sup> April, 2017**

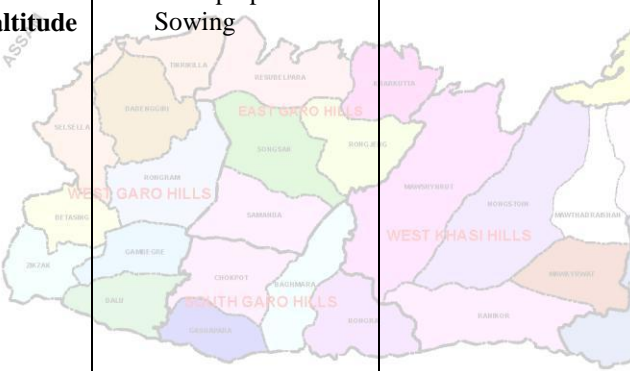

The possibility of Rainfall is 0.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 15-18°C, Cloud cover: sky will be mainly clear i.e. 0-2 Okta, Maximum RH: 60-83%, Minimum RH: 31-39%, Wind speed: 5-6 Kmph, Wind direction: Eastern.

**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
<b>Maize</b> High & Mid altitude Region	ASSAM Land preparation & Sowing		ASSAM <ul style="list-style-type: none"> <li>• Collect HYVs like Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc and keep ready for sowing.</li> <li>• Ploughed 2-3 times to obtain a fine tilth. Furrow of 8-10cm should be made every 60 cm apart. Keep a channel of 25cm width × 15cm depth spaced at 8 m distance for draining out of excess rain.</li> <li>• Incorporate organic manures like FYM @ 5t/ha in the field 20-30 days before sowing during ploughing. Apply N:P:K @ 80:60:40 Kg/Ha.</li> <li>• Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>• Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
<b>Bottle Gourd</b>	Sowing		<ul style="list-style-type: none"> <li>• Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>• Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>• Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses.</li> </ul>
<b>Ash Gourd &amp; Pumpkin</b>	Sowing		<ul style="list-style-type: none"> <li>• Ash gourd &amp; Pumpkin to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.</li> </ul>
<b>Brinjal/Chilli</b>	Nursery preparation		<b>Nursery bed preparation</b> <ul style="list-style-type: none"> <li>• Prepare raised bed &amp; apply FYM @ 4 kg/m<sup>2</sup>. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &amp; covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of</li> </ul>





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			<p>seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.</p> <ul style="list-style-type: none"> <li>• <b>Recommended varieties:</b> Chilli – Pusa jwala &amp; Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath &amp; local</li> <li>• <b>Recommended seed rate</b> Brinjal : 500 g / ha Chilli : 500-1000 g / ha</li> <li>• <b>Seed treatment</b> Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.</li> </ul>
<p><b>Ginger/Turmeric</b></p>	<p>Seed bed preparation/Sowing</p>		<ul style="list-style-type: none"> <li>• Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water.</li> <li>• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.</li> <li>• Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha</li> <li>• Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% &amp; plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.</li> <li>• Complete sowing before 20<sup>th</sup> April.</li> </ul>
<p><b>Tomato</b></p>	<p>Transplanting to early vegetative growth</p>		<ul style="list-style-type: none"> <li>• Transplant seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening &amp; irrigate immediately.</li> <li>• Apply 86 kg/ha urea (1/3 N), 375kg SSP &amp; 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.</li> <li>• Gap filling has to be done at 7th day after transplanting</li> </ul>
<p><b>Khasi Mandarin</b></p>		<p>Powdery Mildew</p>	<ul style="list-style-type: none"> <li>• Spray Sulfex E 2.5 g/litre of water during flush.</li> </ul> <p><b>Nutrient application:</b></p> <ul style="list-style-type: none"> <li>• Apply 30kg FYM/Tree</li> <li>• 650 g Urea: 1220 g SSP: 450 g MOP/tree.</li> </ul>
<p><b>Animal Sciences</b></p>			
<p><b>Poultry</b></p>	<p>All stages</p>	<p>Coccidiosis</p>	<ul style="list-style-type: none"> <li>• Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.</li> <li>• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>• Litter should be changed periodically and provide clean drinking water and change the water every day.</li> <li>• Diseased and dead birds should be immediately removed.</li> <li>• Regularly inspect the droppings of the poultry birds for any diseases symptom.</li> <li>• Provide plenty of fresh and clean drinking water.</li> <li>• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg</li> </ul>



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			feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> <li>Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.</li> </ul>
<b>Piggery</b>	All stages		<ul style="list-style-type: none"> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Iron supplementation in piglet to prevent from piglet anaemia during 1<sup>st</sup> week of age.</li> </ul>
		Skin infection	<ul style="list-style-type: none"> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
<b>Cattle &amp; Buffaloes</b>	6-9 months calves	Brucellosis	<ul style="list-style-type: none"> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck</li> </ul>
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	<ul style="list-style-type: none"> <li>Undertake regular immunization of cattle &amp; buffaloes against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter.</li> </ul>

<b>Fishery</b>			
Common carp	Brooders/ Breeding season		<ul style="list-style-type: none"> <li>Provide plastic mobs in the brooder pond for eggs to attach.</li> <li>After the eggs are attached to the mob, transfer it to the nursery pond.</li> <li>Keep the mob in the nursery pond for about 3 – 4 days till the eggs completely hatched out.</li> <li>Maintain water pH at around 7.5 by application of lime.</li> </ul>

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

