



## Agro Advisory Bulletin – East Garo Hills **(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

### Weather forecast valid up to 26<sup>th</sup> Aug, 2015

There is possibility of light to moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 30-34°C & 23-26°C respectively. The expected relative humidity will be 94-96% (maximum) & 69-83% (minimum). Wind direction will be 69-155 at a speed of 4-6 kmph during the next five days.

*Weekly cumulative rainfall :73.0mm*

C & RD BLOCK MAP OF MEGHALAYA

### Agro meteorological Advisories for coming 5 days

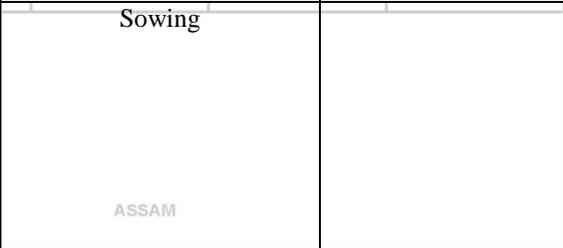
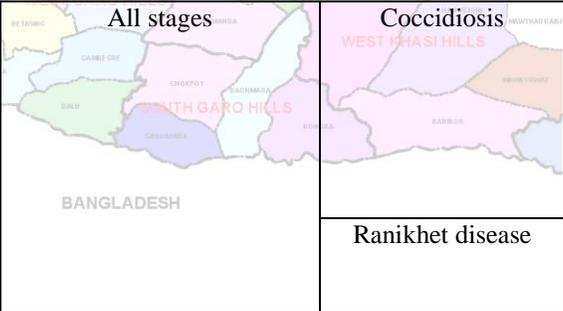
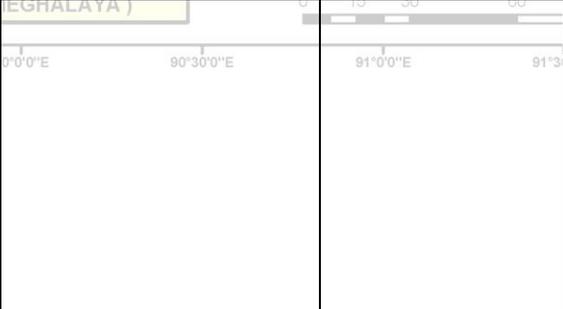
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> </ul>
		Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
			<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram  (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	<p align="center">Leaf Spot</p> <p align="center">Rhizome rot (ginger)</p>		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages		<p align="center"><b>Coccidiosis</b></p> <ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul> <p align="center"><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>Cattle/Buffalo</b>			<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendazole (5-10mg/Kg body wt.) should be done.</li> </ul>



**Agro Advisory Bulletin – East Jaintia Hills**  
**(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

**Weather forecast valid up to 26<sup>th</sup> Aug, 2015**

There is possibility of light to moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 24-27°C & 19-21°C respectively. The expected relative humidity will be 97% (maximum) & 58-80% (minimum). Wind direction will be 70-191 at a speed of 2 kmph during the next five days.

*Weekly cumulative rainfall :44.0mm*  
 C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram (Lower altitude regions)	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>
French Bean	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after</li> </ul>



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			<p>harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</p>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
		<p>Leaf Spot</p> <p>Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages	Coccidiosis	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 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>Cattle/ Buffalo</b>			<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>	STATE GIS LAB. (MEGHALAYA)		<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> </ul>
			<ul style="list-style-type: none"> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>



**Agro Advisory Bulletin – East Khasi Hills**  
**(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

**Weather forecast valid up to 26<sup>th</sup> Aug, 2015**

There is possibility of rather heavy rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 22-24°C & 18°C respectively. The expected relative humidity will be 94-96% (maximum) & 67-80% (minimum). Wind direction will be 79-144 at a speed of 2-4 kmph during the next five days.

*Weekly cumulative rainfall :228.0mm*

C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot Aphid/ miner	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Leaf Spot		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> </ul>
Rhizome rot (ginger)			<ul style="list-style-type: none"> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b> (High altitude regions)	Sowing	ASSAM	<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b> (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Khasi mandarin</b>			<ul style="list-style-type: none"> <li>Collect and destroy the trunk borer, Clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or 5ml of Dichlorvos @ 2ml/l and plug with mud.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages	BANGLADESH	<b>Coccidiosis</b>
			<b>Ranikhet disease</b>
		STATE GIS LAB. (MEGHALAYA)	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> <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>Cattle/ Buffalo</b>			<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>

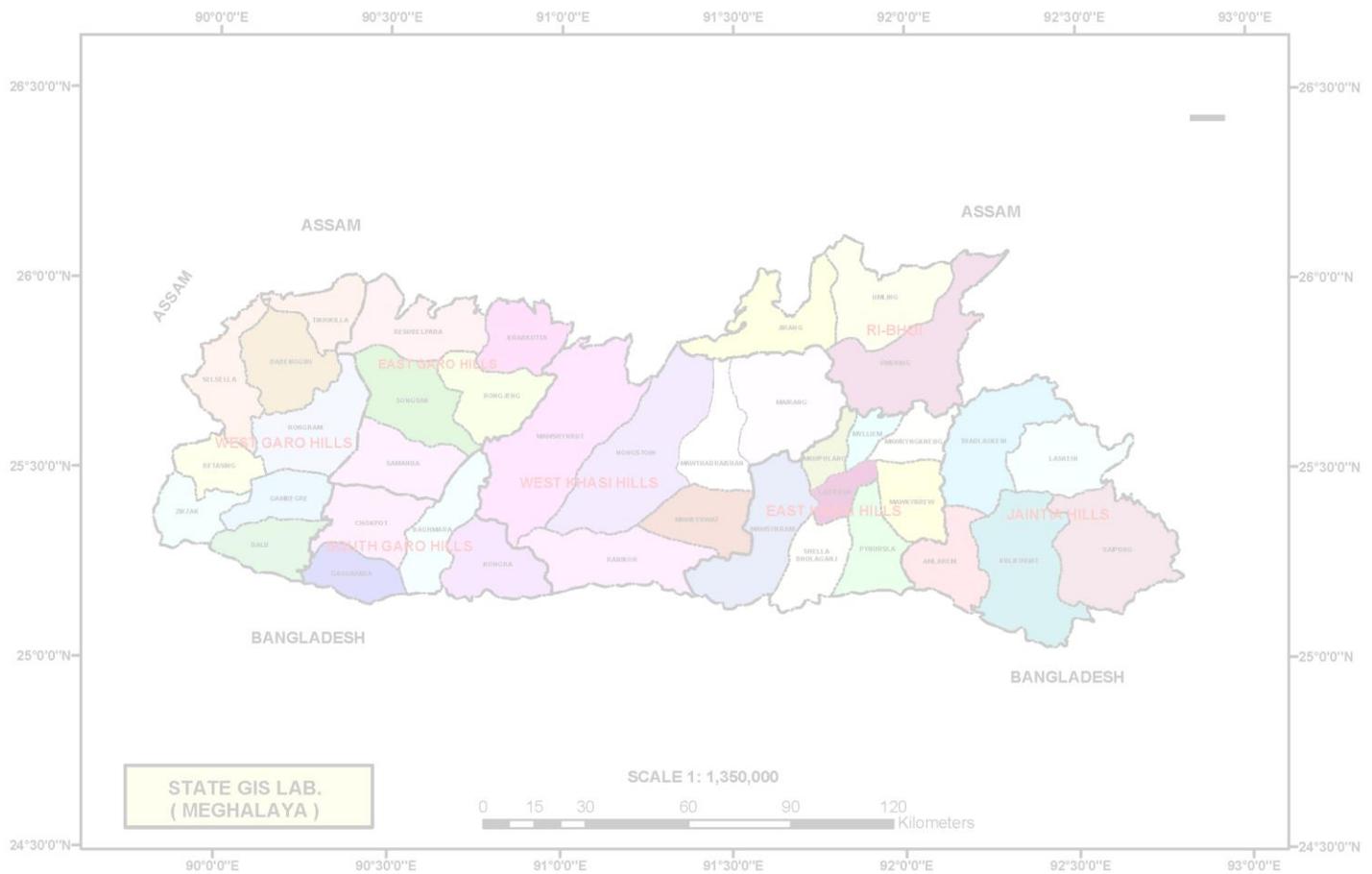


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C & RD BLOCK MAP OF MEGHALAYA





## Agro Advisory Bulletin – North Garo Hills **(Period 22<sup>nd</sup> – 24<sup>th</sup> Aug, 2015)**

### Weather forecast valid up to 24<sup>th</sup> Aug, 2015

There is possibility of light to moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 29-34°C & 23-25°C respectively. The expected relative humidity will be 94-97% (maximum) & 66-87% (minimum). Wind direction will be 61-168 at a speed of 3-6 kmph during the next five days.

*Weekly cumulative rainfall :57.0mm*

C & RD BLOCK MAP OF MEGHALAYA

### Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> </ul>
		Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
			<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram  (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Leaf Spot  Rhizome rot (ginger)		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing  ASSAM		<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation  ASSAM		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>  25°0'0"N  BANGLADESH	All stages  BANGLADESH	Coccidiosis	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 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>Cattle/ Buffalo</b>	STATE GIS LAB. (MEGHALAYA)	SCALE 1: 1,350,000	<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>  24°30'0"N			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendazole (5-10mg/Kg body wt.) should be done.</li> </ul>



**Agro Advisory Bulletin – Ri- Bhoi**  
**(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

**Weather forecast valid up to 26<sup>th</sup> Aug, 2015**

There is possibility of light to moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 27-31°C & 21-24°C respectively. The expected relative humidity will be 97-99% (maximum) & 75-87% (minimum). Wind direction will be 77-162 at a speed of 2-3 kmph during the next five days.

*Weekly cumulative rainfall :59.0mm*

C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> </ul>
		Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
			<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram  (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>





**Agro Advisory Bulletin – South Garo Hills**  
**(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

**Weather forecast valid up to 26<sup>th</sup> Aug, 2015**

There is possibility of moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 31-33°C & 24-26°C respectively. The expected relative humidity will be 94-96% (maximum) & 70-81% (minimum). Wind direction will be 77-150 at a speed of 4-7 kmph during the next five days.

*Weekly cumulative rainfall :96.0mm*

C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

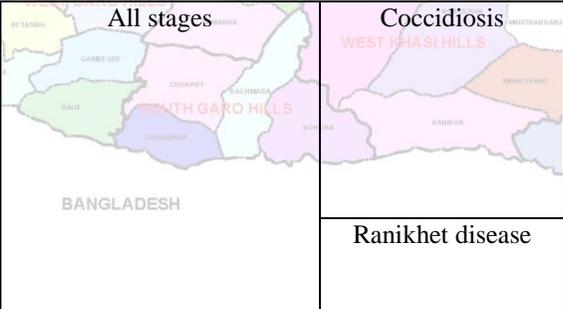
Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot Aphid/ miner	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Leaf Spot  Rhizome rot (ginger)		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing  ASSAM		<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation  		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>  25°0'0"N  BANGLADESH	All stages  	<b>Coccidiosis</b>	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		<b>Ranikhet disease</b>	<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>Cattle/ Buffalo</b>	STATE GIS LAB. (MEGHALAYA)	SCALE 1: 1,350,000	<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>  24°30'0"N			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>



## Agro Advisory Bulletin – South West Garo Hills **(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

### Weather forecast valid up to 26<sup>th</sup> Aug, 2015

There is possibility of light to moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 27-30°C & 21-24°C respectively. The expected relative humidity will be 92-94% (maximum) & 68-79% (minimum). Wind direction will be 62-134 at a speed of 2-7 kmph during the next five days.

*Weekly cumulative rainfall :47.0mm*

### **Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> </ul>
		Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram (Lower altitude regions)	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue after the current spell of rain. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Rhizome rot (ginger)	Leaf Spot	<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b> <small>26°30'0"N</small> (High altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b> (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b> <small>25°0'0"N</small>	All stages	Coccidiosis	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 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>Cattle/ Buffalo</b>	STATE GIS LAB. (MEGHALAYA)	SCALE 1: 1,300,000	<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b> <small>25°30'0"N</small>			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendazole (5-10mg/Kg body wt.) should be done.</li> </ul>



**Agro Advisory Bulletin – South West Khasi Hills**  
**(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

**Weather forecast valid up to 26<sup>th</sup> Aug, 2015**

There is possibility of moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 24-25°C & 18°C respectively. The expected relative humidity will be 95-96% (maximum) & 70-85% (minimum). Wind direction will be 68-152 at a speed of 3-5 kmph during the next five days.

*Weekly cumulative rainfall :100.0mm*

C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot Aphid/ miner	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram (Lower altitude regions)	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Leaf Spot		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> </ul>
Rhizome rot (ginger)			<ul style="list-style-type: none"> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b> (High altitude regions)	Sowing	ASSAM	<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b> (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Khasi mandarin</b>			<ul style="list-style-type: none"> <li>Collect and destroy the trunk borer, Clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or 5ml of Dichlorvos @ 2ml/l and plug with mud.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages	BANGLADESH	<b>Coccidiosis</b>
			<b>Ranikhet disease</b>
		STATE GIS LAB. (MEGHALAYA)	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> <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>Cattle/ Buffalo</b>			<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>



## Agro Advisory Bulletin – West Garo Hills **(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

### Weather forecast valid up to 26<sup>th</sup> Aug, 2015

There is possibility of moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 30-33°C & 23-26°C respectively. The expected relative humidity will be 94-97% (maximum) & 71-80% (minimum). Wind direction will be 75-158 at a speed of 4-9 kmph during the next five days.

*Weekly cumulative rainfall :94.0mm*

C & RD BLOCK MAP OF MEGHALAYA

### Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> </ul>
		Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
			<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram  (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
		<p align="center">Leaf Spot</p> <p align="center">Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing	ASSAM	<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages		<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		<p align="center">Coccidiosis</p> <p align="center">Ranikhet disease</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>Cattle/ Buffalo</b>	STATE GIS LAB. (MEGHALAYA)	SCALE 1: 1,350,000	<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>



**Agro Advisory Bulletin – West Jaintia Hills**  
**(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

**Weather forecast valid up to 26<sup>th</sup> Aug, 2015**

There is possibility of light to moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 24-27°C & 19-21°C respectively. The expected relative humidity will be 96-98% (maximum) & 65-83% (minimum). Wind direction will be 92-140 at a speed of 2-3 kmph during the next five days.

*Weekly cumulative rainfall :72.0mm*

C & RD BLOCK MAP OF MEGHALAYA

**Agro meteorological Advisories for coming 5 days**

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot Aphid/ miner	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Leaf Spot  Rhizome rot (ginger)		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing  ASSAM		<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation  ASSAM		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>  25°0'0"N  BANGLADESH	All stages  BANGLADESH	Coccidiosis	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 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>Cattle/ Buffalo</b>	STATE GIS LAB. (MEGHALAYA)	SCALE 1: 1,350,000	<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>  24°30'0"N			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>



## Agro Advisory Bulletin – West Khasi Hills **(Period 22<sup>nd</sup> – 26<sup>th</sup> Aug, 2015)**

### Weather forecast valid up to 26<sup>th</sup> Aug, 2015

There is possibility of moderate rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 24-25°C & 18°C respectively. The expected relative humidity will be 95-96% (maximum) & 70-85% (minimum). Wind direction will be 68-152 at a speed of 3-5 kmph during the next five days.

*Weekly cumulative rainfall :100.0mm*

C & RD BLOCK MAP OF MEGHALAYA

### Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> <li>1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.</li> </ul>
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> <li>Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.</li> <li>Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.</li> </ul>
		Aphid/ Leaf miner	<ul style="list-style-type: none"> <li>For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.</li> </ul>
			<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> <li>Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.</li> </ul>
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> <li>Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 &amp; Sarita (long duration) may be continue. Maintain a spacing of 40-60 row to row &amp; 10-15 plant to plant (Short duration); 60-120 p-p &amp; 15-20 row to row (Long duration). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.</li> <li>Make drainage properly for draining of excess water from the field.</li> </ul>
Green Gram/ Black Gram  (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> <li>Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.</li> </ul>



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<b>French Bean</b>	Sowing		<ul style="list-style-type: none"> <li>Start sowing of French bean var. Naga Local after harvesting of maize crop after the current spell of rain. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row &amp; 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP &amp; MOP @ 66.8kg/ha at the time of sowing.</li> </ul>
<b>Ginger/ turmeric</b>	Rhizome initiation stage		<ul style="list-style-type: none"> <li>Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2<sup>nd</sup> top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.</li> </ul>
	Leaf Spot		<ul style="list-style-type: none"> <li>To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.</li> </ul>
Rhizome rot (ginger)			<ul style="list-style-type: none"> <li>Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.</li> </ul>
<b>Pea</b>  (High altitude regions)	Sowing	ASSAM	<ul style="list-style-type: none"> <li>Start sowing of pea in high altitude after the current spell of rain. Recommended var. are 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 &amp; 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP &amp; 67 kg MOP). Apply all doses of fertilizers at the time of sowing.</li> </ul>
<b>Cauliflower</b>  (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> <li>Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.</li> </ul>
<b>Khasi mandarin</b>			<ul style="list-style-type: none"> <li>Collect and destroy the trunk borer, Clean the bored holes of the infested trunk with iron wire and insert a cotton swab soaked in petrol or 5ml of Dichlorvos @ 2ml/l and plug with mud.</li> </ul>
<b>Animal Sciences</b>			
<b>Poultry</b>	All stages	BANGLADESH	<b>Coccidiosis</b>
			<b>Ranikhet disease</b>
		STATE GIS LAB. (MEGHALAYA)	<ul style="list-style-type: none"> <li>Due to continuous rain temperature has decreased, farmers are advised to keep chicks warm by giving proper heat through electric bulbs. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> <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>Cattle/ Buffalo</b>			<ul style="list-style-type: none"> <li>Immunization in cattle against Foot &amp; Mouth disease, Haemorrhagic septicaemia &amp; Black Quarter diseases.</li> </ul>
<b>Pig</b>			<ul style="list-style-type: none"> <li>Pig shed/ stay should keep dry and avoid dampness during rainy days</li> <li>All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose..</li> <li>Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day).</li> <li>Deworming of pig/piglets with Albendoazole (5-10mg/Kg body wt.) should be done.</li> </ul>



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C & RD BLOCK MAP OF MEGHALAYA

