GRAMIN KRISHI MAUSAM SEWA
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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – East Jaintia Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 28°C & 20°C respectively. The expected relative humidity will be 94-98% (maximum) & 61-68% (minimum). Wind direction will be 89-120Degree at a speed of 4 kmph during the next five days.

Weekly cumulative rainfall :94.0mm

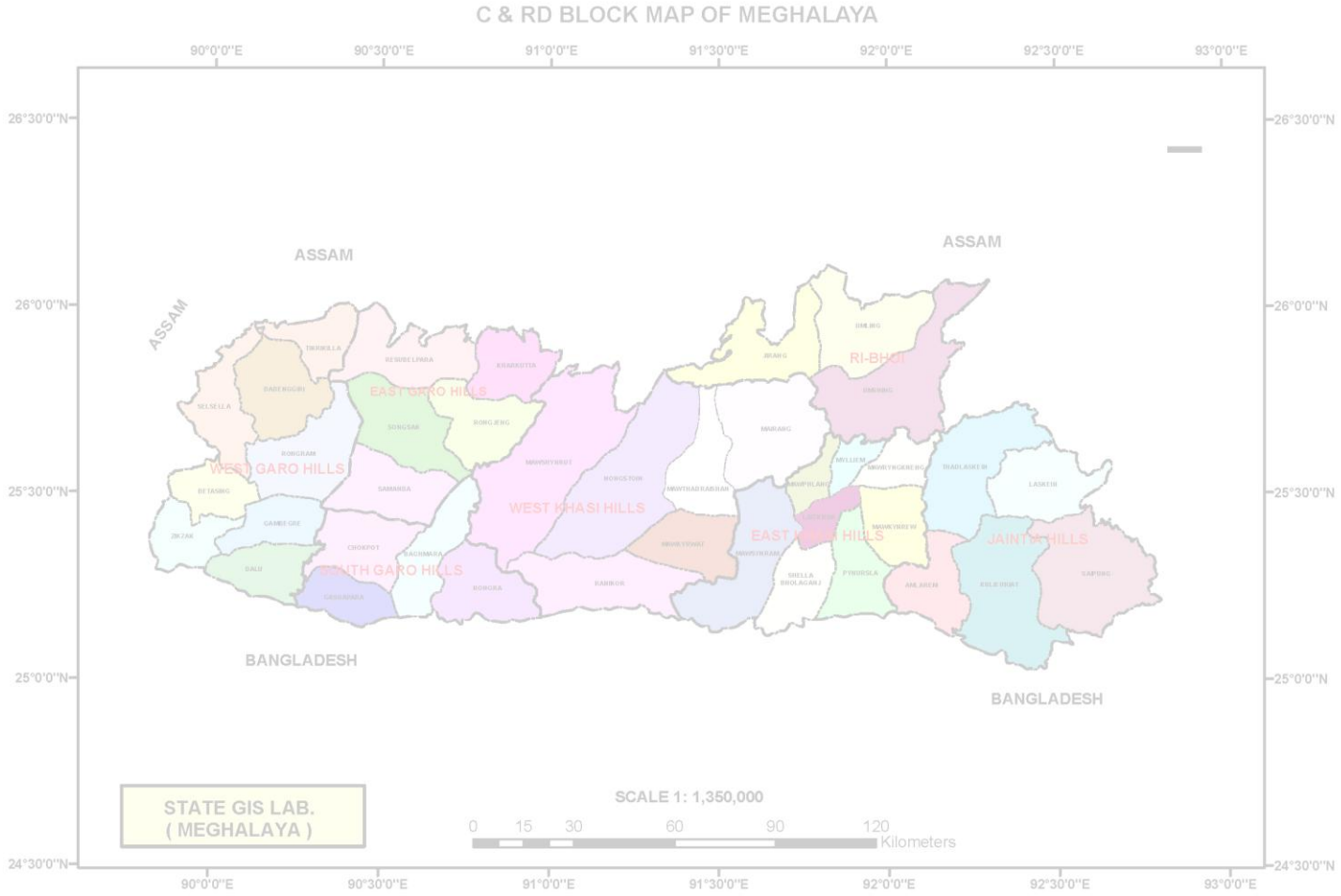
Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit.

Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV,s like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Establishment to Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days

			intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – East Khasi Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to rather heavy rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 24°C & 18°C respectively. The expected relative humidity will be 94-98% (maximum) & 71-84% (minimum). Wind direction will be 51-98Degree at a speed of 4-7 kmph during the next five days.

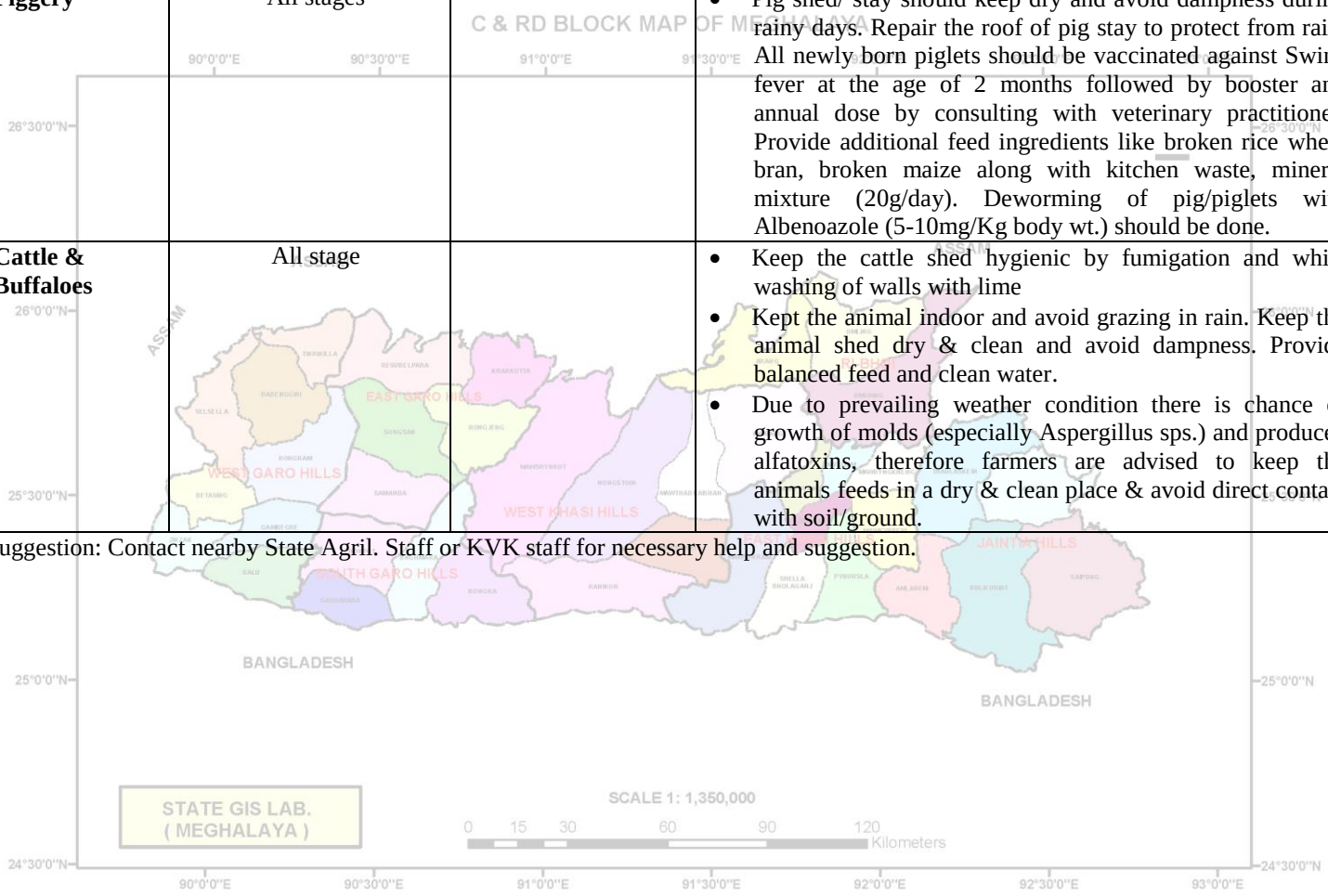
Weekly cumulative rainfall :192.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Tomato	Flowering to fruit setting		• Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks.
		Fruit borer	• Spray of Malathion (3ml/l) or Endosulphan (2.5ml/l) or Rogor (1.0ml/l) at 10-15days interval for control of fruit borer. Avoid tomato fruits for consumption up to 7-10 days after the spray of the chemicals.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by

			earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Khasi Mandarin			• Apply 350g urea, 450g SSP, 200 MOP per tree of Khasi Mandarin during June/ July. • Provide mulches like straw, farm grasses in the basins.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – West Jaintia Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 28°C & 20°C respectively. The expected relative humidity will be 95-98% (maximum) & 69-76% (minimum). Wind direction will be 66-114Degree at a speed of 3-5 kmph during the next five days.

Weekly cumulative rainfall :76.0mm

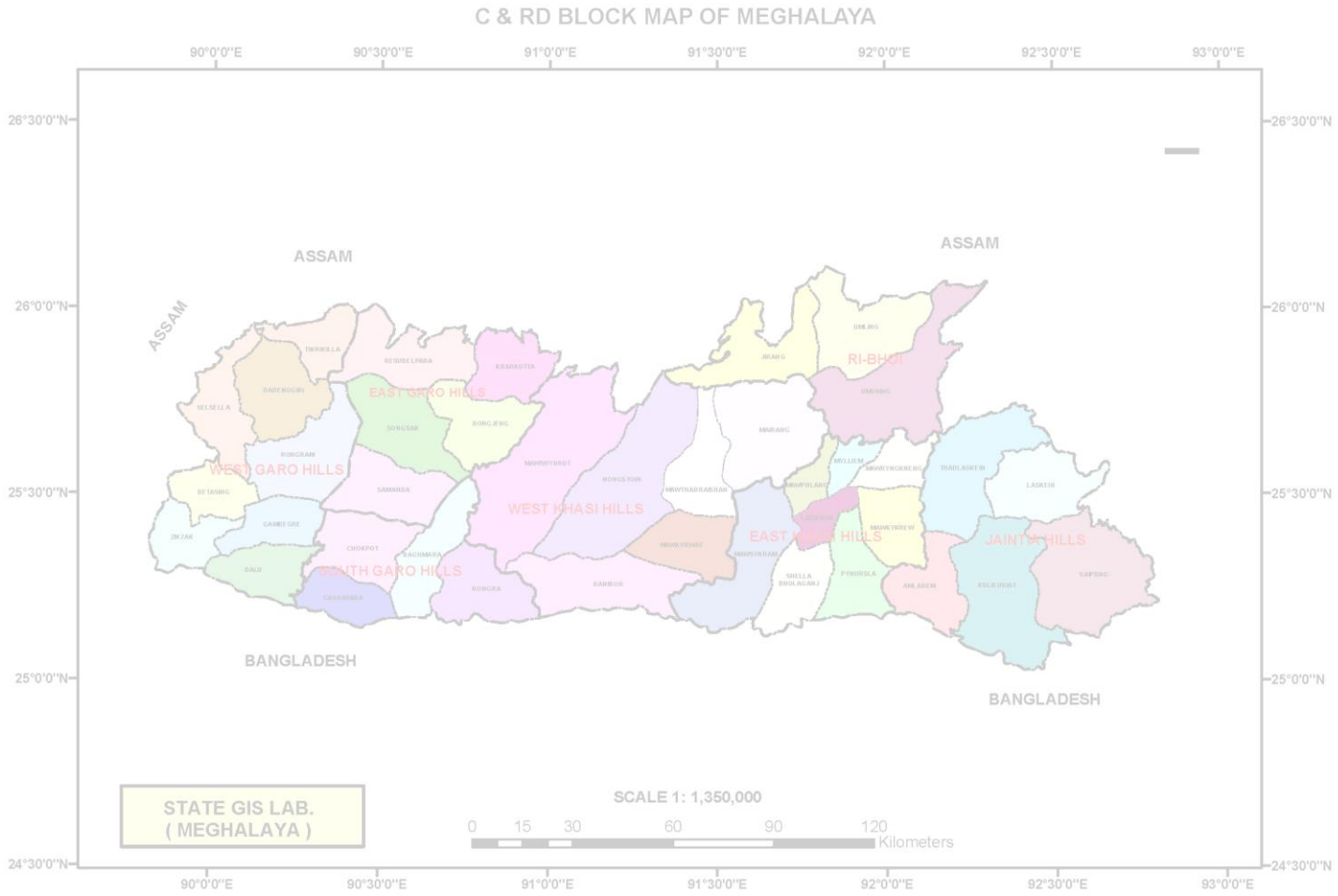
Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/ Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle.	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem

			Kernal Extract 5% at 15 days interval.
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV,s like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Tomato	Flowering to fruit setting		• Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks.
		Fruit borer	• Spray of Malathion (3ml/l) or Endosulphan (2.5ml/l) or Rogor (1.0ml/l) at 10-15days interval for control of fruit borer. Avoid tomato fruits for consumption up to 7-10 days after the spray of the chemicals.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @

			2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – North Garo Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to rather heavy rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 26-32°C & 23-25°C respectively. The expected relative humidity will be 91-98% (maximum) & 66-93% (minimum). Wind direction will be 52-201Degree at a speed of 3-7kmph during the next five days.

Weekly cumulative rainfall :202.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit

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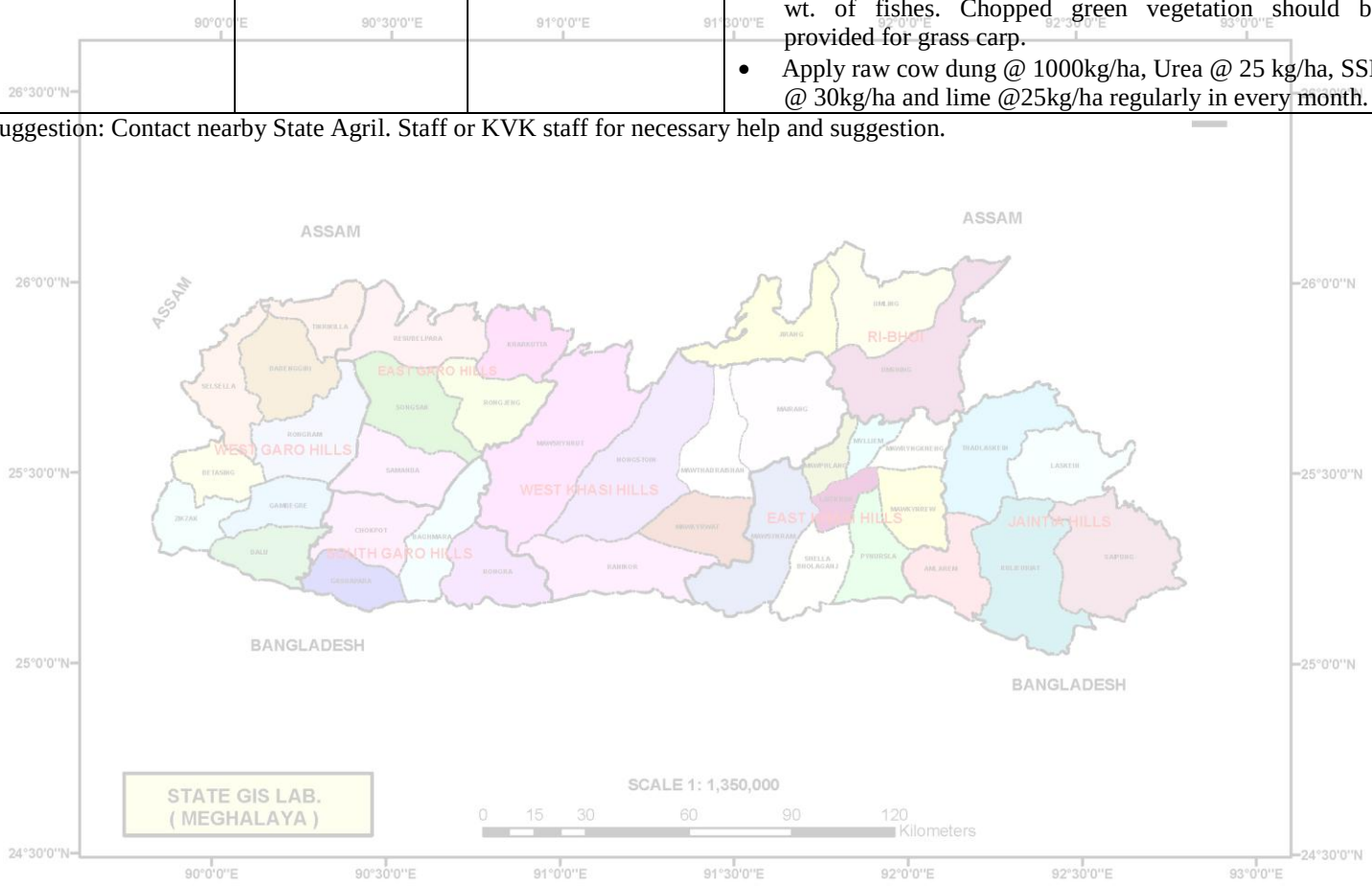
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV,s like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			

Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – Ri- Bhoi
(Period 1st – 5th July, 2015)

Weather summery of the past four days 26th to 29th June, 2015 recorded at ICAR RC NEH, Umiam, Barapani	Weather forecast valid up to 5th July, 2015
Sky was partly cloudy to generally cloudy with moderate rainfall of **11.2mm**. Maximum temperatures ranged between 27.8-30.8°C and minimum ranged between 19.3-20.2°C. Mean relative humidity was 80-84.0% in morning and 63-72% in evening. Wind speed ranged between 1.9-3.0 kmph.	There is possibility of moderate rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 27-31°C & 21-22°C respectively. The expected relative humidity will be 96-99% (maximum) & 78-85% (minimum). Wind direction will be 59-155Degree at a speed of 2-4 kmph during the next five days.

Weekly cumulative rainfall :105.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit

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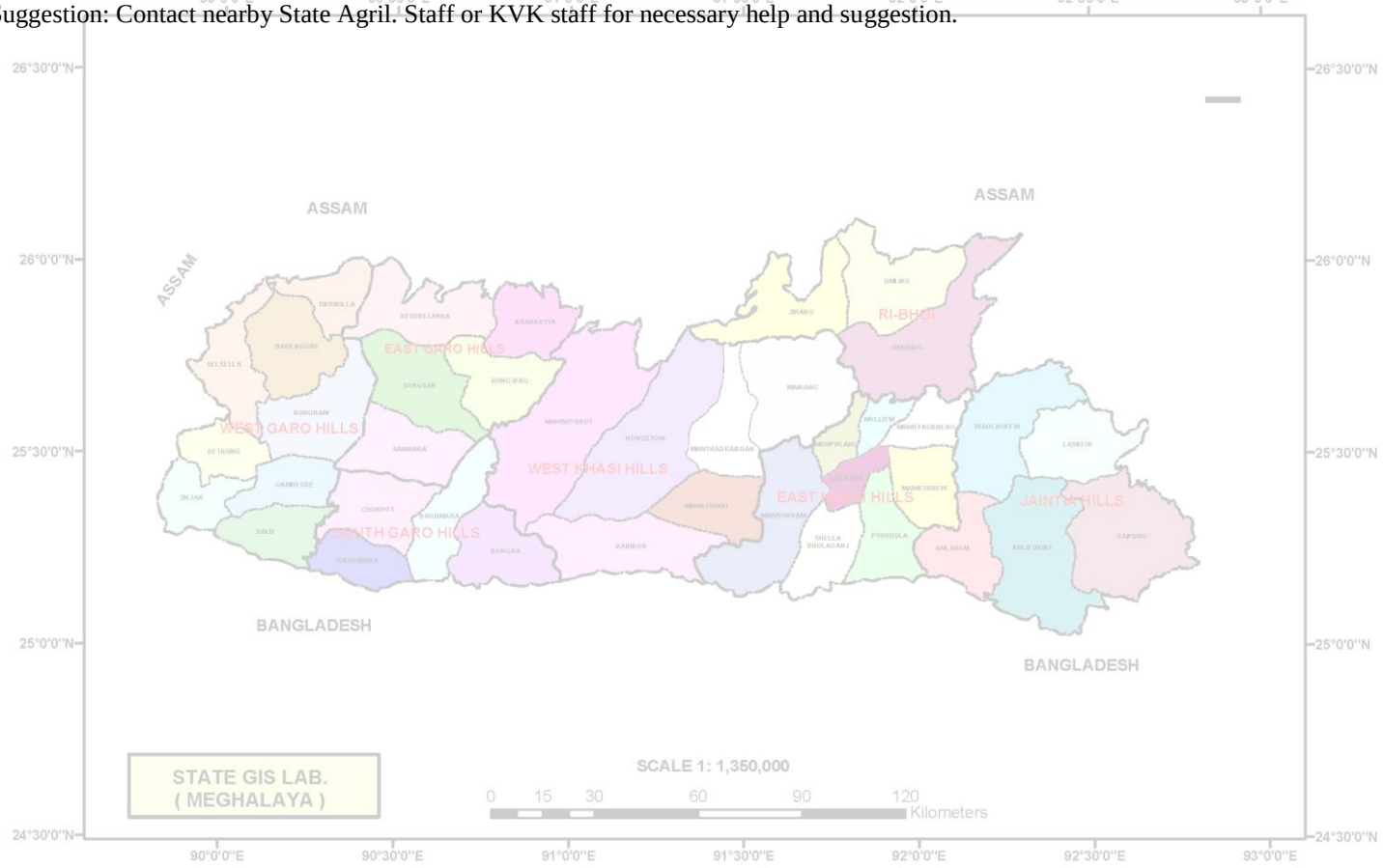
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV,s like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Tomato	Flowering to fruit setting		• Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks.
		Fruit borer	• Spray of Malathion (3ml/l) or Endosulphan (2.5ml/l) or Rogor (1.0ml/l) at 10-15days interval for control of fruit borer. Avoid tomato fruits for consumption up to 7-10 days after the spray of the chemicals.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc.

G.I. BD BLOCK MAP OF MEGHALAYA
STATE GIS LAB. (MEGHALAYA)

			• Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – South Garo Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to rather heavy rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 29-32°C & 24-25°C respectively. The expected relative humidity will be 94-97% (maximum) & 72-85% (minimum). Wind direction will be 76-139Degree at a speed of 8-10 kmph during the next five days.

Weekly cumulative rainfall :184.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected

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			terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV,s like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Establishment to Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass

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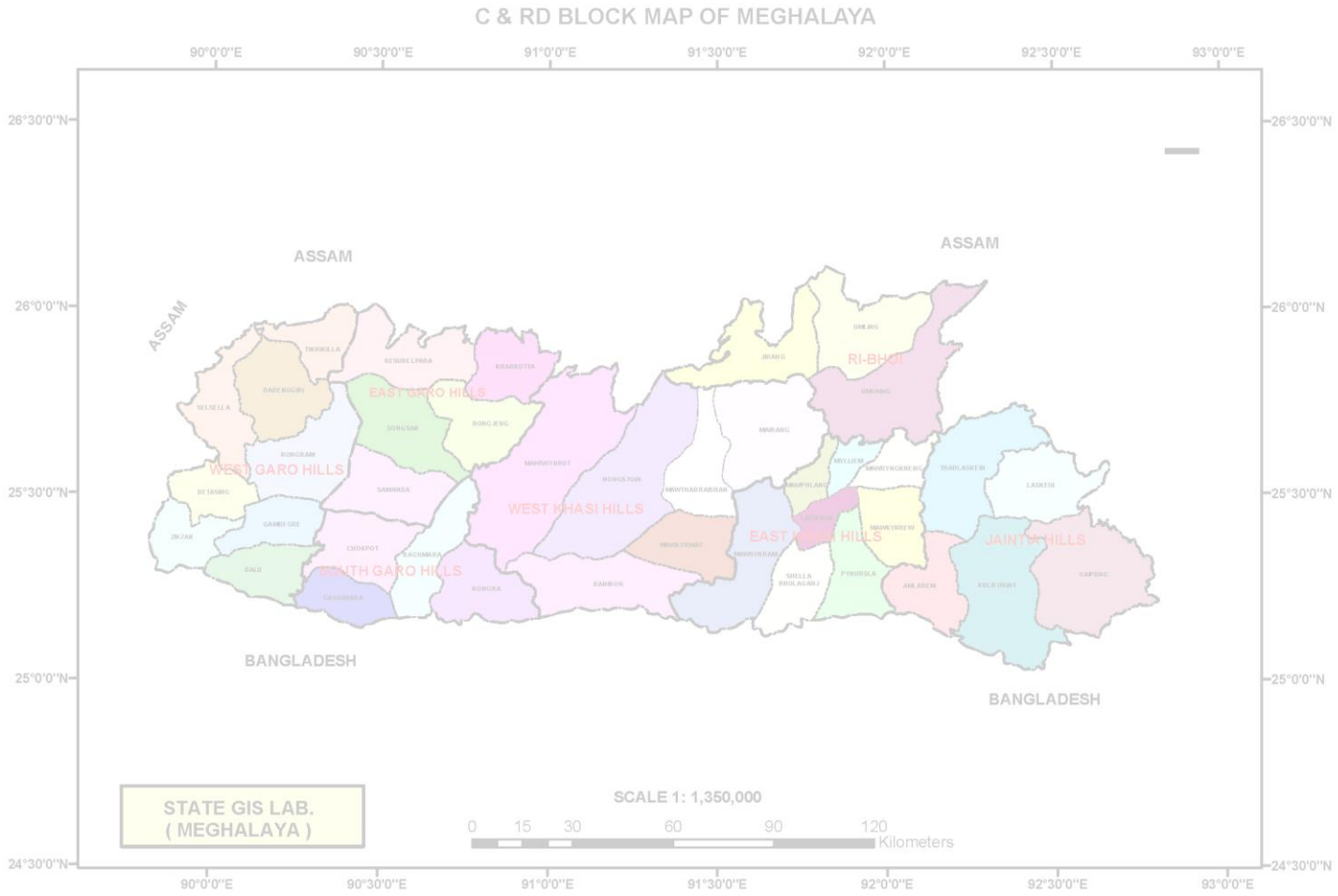
			carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – South West Garo Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to rather heavy rain in the next five days. Sky may be cloudy with a maximum and minimum temperature of 24-27°C & 21-22°C respectively. The expected relative humidity will be 93-98% (maximum) & 75-95% (minimum). Wind direction will be 55-188Degree at a speed of 4-9 kmph during the next five days.

Weekly cumulative rainfall :2.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit

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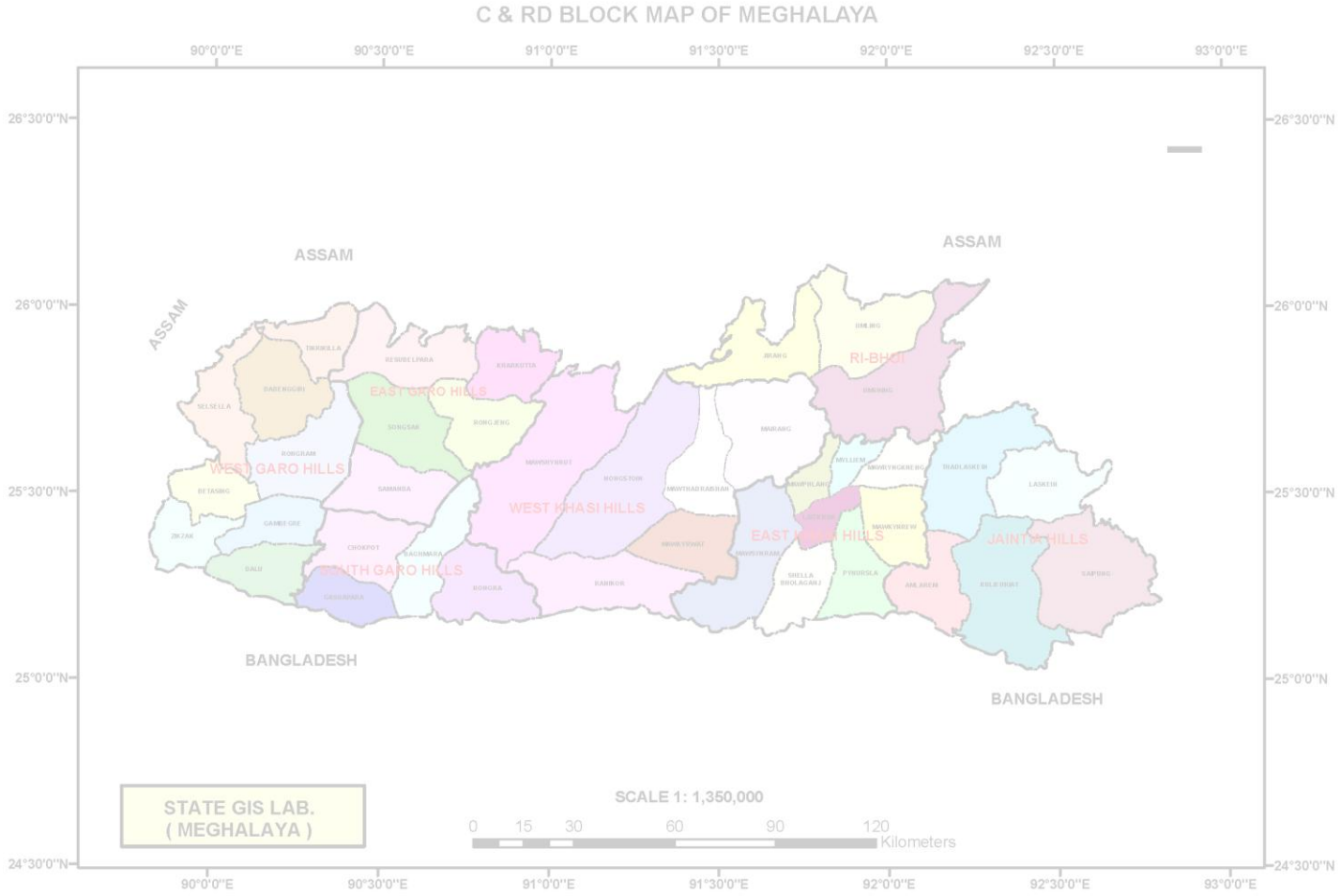
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Establishment to Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if

C & RD BLOCK MAP OF MEGHALAYA
STATE GIS LAB. (MEGHALAYA)
SCALE 1 : 1,350,000

			the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – South West Khasi Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to rather heavy rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 24°C & 18°C respectively. The expected relative humidity will be 94-97% (maximum) & 71-85% (minimum). Wind direction will be 63-105Degree at a speed of 7-10 kmph during the next five days.

Weekly cumulative rainfall :122.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Tomato	Flowering to fruit setting		• Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks.
		Fruit borer	• Spray of Malathion (3ml/l) or Endosulphan (2.5ml/l) or Rogor (1.0ml/l) at 10-15days interval for control of fruit borer. Avoid tomato fruits for consumption up to 7-10 days after the spray of the chemicals.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.

Ginger/ turmeric	Establishment to Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Khasi Mandari			• Apply 350g urea, 450g SSP, 200 MOP per tree of Khasi Mandarin during June/ July. • Provide mulches like straw, farm grasses in the basins.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. • Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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

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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – West Garo Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to heavy rain in the next five days. Sky may generally cloudy to cloudy with a maximum and minimum temperature of 26-32°C & 24-25°C respectively. The expected relative humidity will be 94-98% (maximum) & 72-89% (minimum). Wind direction will be 73-166Degree at a speed of 6-10 kmph during the next five days.

Weekly cumulative rainfall :242.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit

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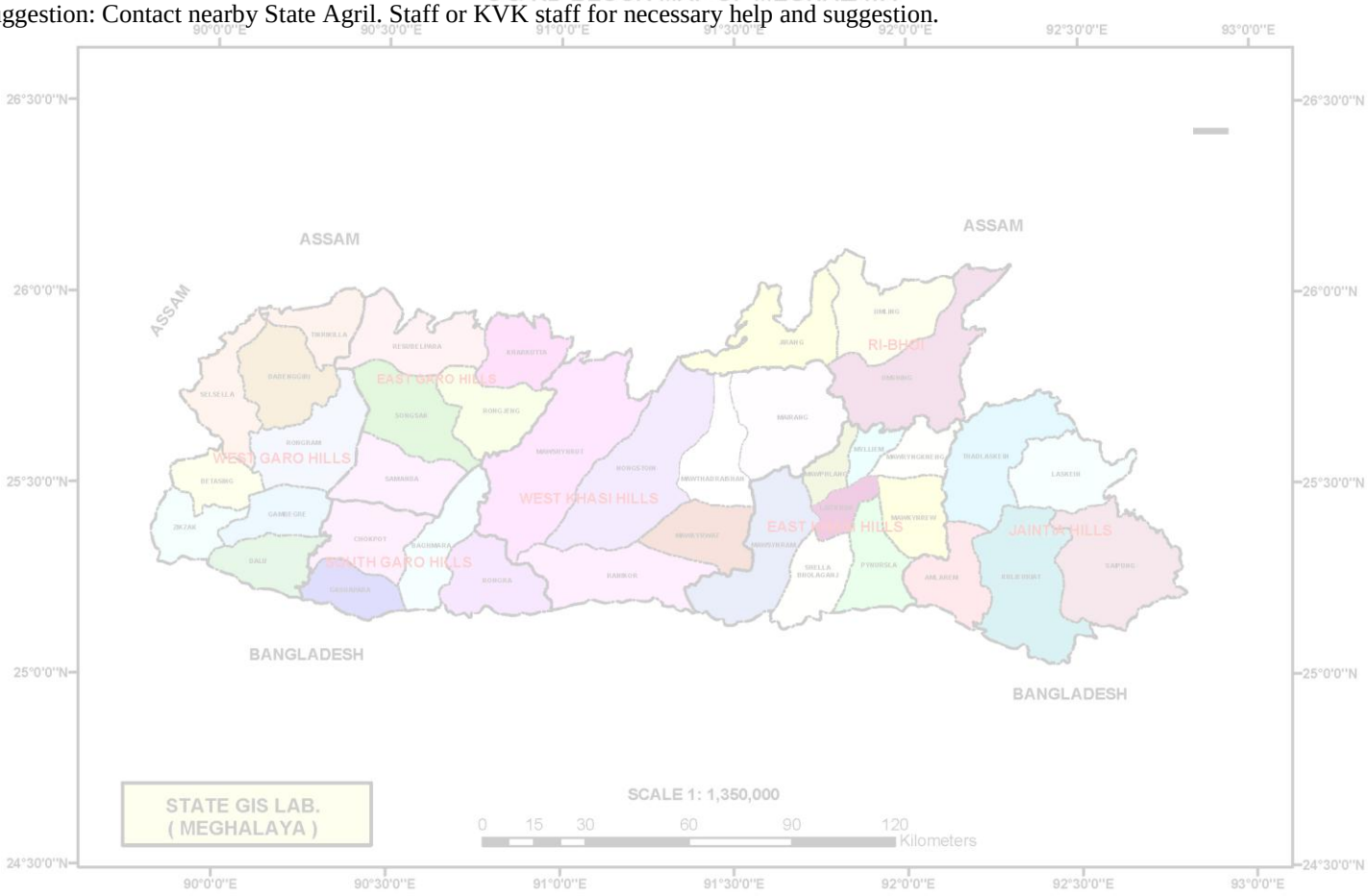
Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings.

			• Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
		Stocking	• Release fingerlings of Catla: Rohu: Mrigal: Silver carp: Grass carp: Common carp in a ratio of 2: 2: 1.5: 2: 1: 1.5 @ 6000-7500 fingerlings/ ha into the pond.
		Post- stocking management	• Feed: Provide well balanced feeds of rice polish and mustard cake in a ratio of 1:1 by wt. @ 3% of their body wt. of fishes. Chopped green vegetation should be provided for grass carp. • Apply raw cow dung @ 1000kg/ha, Urea @ 25 kg/ha, SSP @ 30kg/ha and lime @25kg/ha regularly in every month.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – West Khasi Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to heavy rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 24°C & 18°C respectively. The expected relative humidity will be 93-98% (maximum) & 71-88% (minimum). Wind direction will be 56-153Degree at a speed of 4-7 kmph during the next five days.

Weekly cumulative rainfall :168.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free.
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Tomato	Flowering to fruit setting		• Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks.
		Fruit borer	• Spray of Malathion (3ml/l) or Endosulphan (2.5ml/l) or Rogor (1.0ml/l) at 10-15days interval for control of fruit borer. Avoid tomato fruits for consumption up to 7-10 days after the spray of the chemicals.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by

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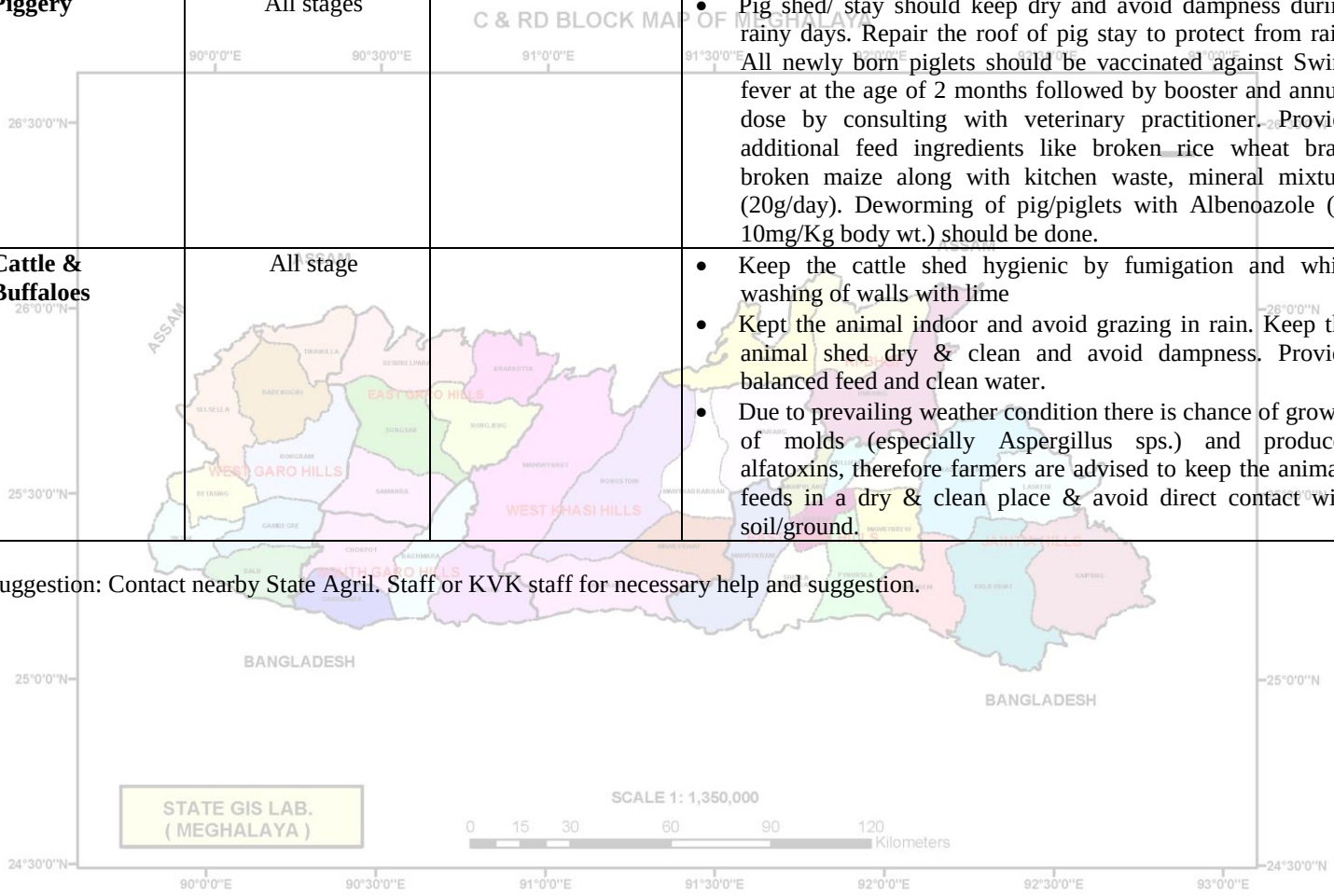
			earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Khasi Mandarin			• Apply 350g urea, 450g SSP, 200 MOP per tree of Khasi Mandarin during June/ July. • Provide mulches like straw, farm grasses in the basins.
Animal Husbandary			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Keep the cattle shed hygienic by fumigation and white washing of walls with lime • Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.

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



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RC (AE)/30/2011/ Bulletin/June'2015/26 Dated: 30/06/2015

Agro Advisory Bulletin – East Garo Hills
(Period 1st – 5th July, 2015)

Weather forecast valid up to 5th July, 2015

There is possibility of moderate to rather heavy rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 28-32°C & 24-25°C respectively. The expected relative humidity will be 93-98% (maximum) & 69-90% (minimum). Wind direction will be 64-168Degree at a speed of 5-9 kmph during the next five days.

Weekly cumulative rainfall :176.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Tillering stage		• Keep the field weed free
		Blast	• High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		• Start transplanting of 20-25days old seedling at a spacing of 20cm×15cm. Apply full dose of P (375 Kg/ha SSP) & K (67 Kg/ha MOP) and half N (87 Kg/ha Urea) + FYM @ 5t/ha at the time of transplanting. • Replanting of dead hills or gap filling with seedlings of similar age should be done within 7-10 days of transplanting. • Maintain a water level of 2-5 cm from transplanting to maturity and should not exceed 5 cm particularly during tillering stage. • If weeds are seen farmers are advice to apply pre emergence herbicides like Butachlor (Machete) 5% granule @30Kg/ha in 3-4 cm standing water within 2-4 days after transplanting (DAT) to control grassy weeds or run Conoweeder / Japanese paddy weeder between the rows.
Groundnut	Vegetative stage		• First hand weeding should be given at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. • Avoid water stagnation in the field, provide good drainage system.
		Aphid/ Leaf miner	• For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		• Provide good channels for removing excess water to avoid water stagnation in the field. • First hand weeding should be taken up at 15DAS depending on the weed population.
		Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	• For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyriphos 20 EC @ 1 ml/lit

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Pigeon Pea (Red Gram/Arhar)	Sowing		• Continue sowing of Red gram HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain. Apply 10-13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing. Sowing should be done maintaining a spacing of 40-60 row to row & 10-15 plant to plant (Short duration); 60-120 p-p & 15-20 row to row (Long duration and apply a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
Brinjal	Fruiting/ Picking		• Harvest the maturing of mature fruit. • For management of Shoot & fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% at 15 days interval.
Plant Protection		Moths	• Collect white grub beetles and Lepidopteran moths through light trap and destroy them.
Bottle Gourd/ Ash Gourd	Fruit development		• Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	• Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		• Farmers should undertake weeding operation, top dressing of urea @ 81.4 kg urea & MOP @ 41.75 kg/ha in ginger & urea @ 65.1 kg/ha, MOP @ 100.2 kg/ha in turmeric followed by earthing up at 45DAP. Make channels between the beds for draining of excess water and weeding.
Water Harvesting			• Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Animal Sciences			
Poultry	All stages		• Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure gives Amprolium @ 25-65 mg/kg feed once a day.
Piggery	All stages		• Pig shed/ stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain. All newly born piglets should be vaccinated against Swine fever at the age of 2 months followed by booster and annual dose by consulting with veterinary practitioner. Provide additional feed ingredients like broken rice wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Deworming of pig/piglets with Albenoazole (5-10mg/Kg body wt.) should be done.
Cattle & Buffaloes	All stage		• Kept the animal indoor and avoid grazing in rain. Keep the animal shed dry & clean and avoid dampness. Provide balanced feed and clean water. • Due to prevailing weather condition there is chance of growth of molds (especially Aspergillus sps.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
Fishery			
Composite Fish Culture		Pre-stocking management	• As there is sufficient water in the pond due to heavy rain in previous days, farmers are advise to clean up their ponds by removing unwanted vegetation, insects, etc. • Apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings.

C & RD BLOCK MAP OF MEGHALAYA
STATE GIS LAB. (MEGHALAYA)
SCALE 1: 1,350,000

			• Liming should be done after checking the pH, apply lime @ 2000kg/ha (in 3-4 installements at 30 days intervals) if the pH is 4.5-5.0 &1200 kg/ha if the pH is 5.0-6.0 after 7 days of RCD application.
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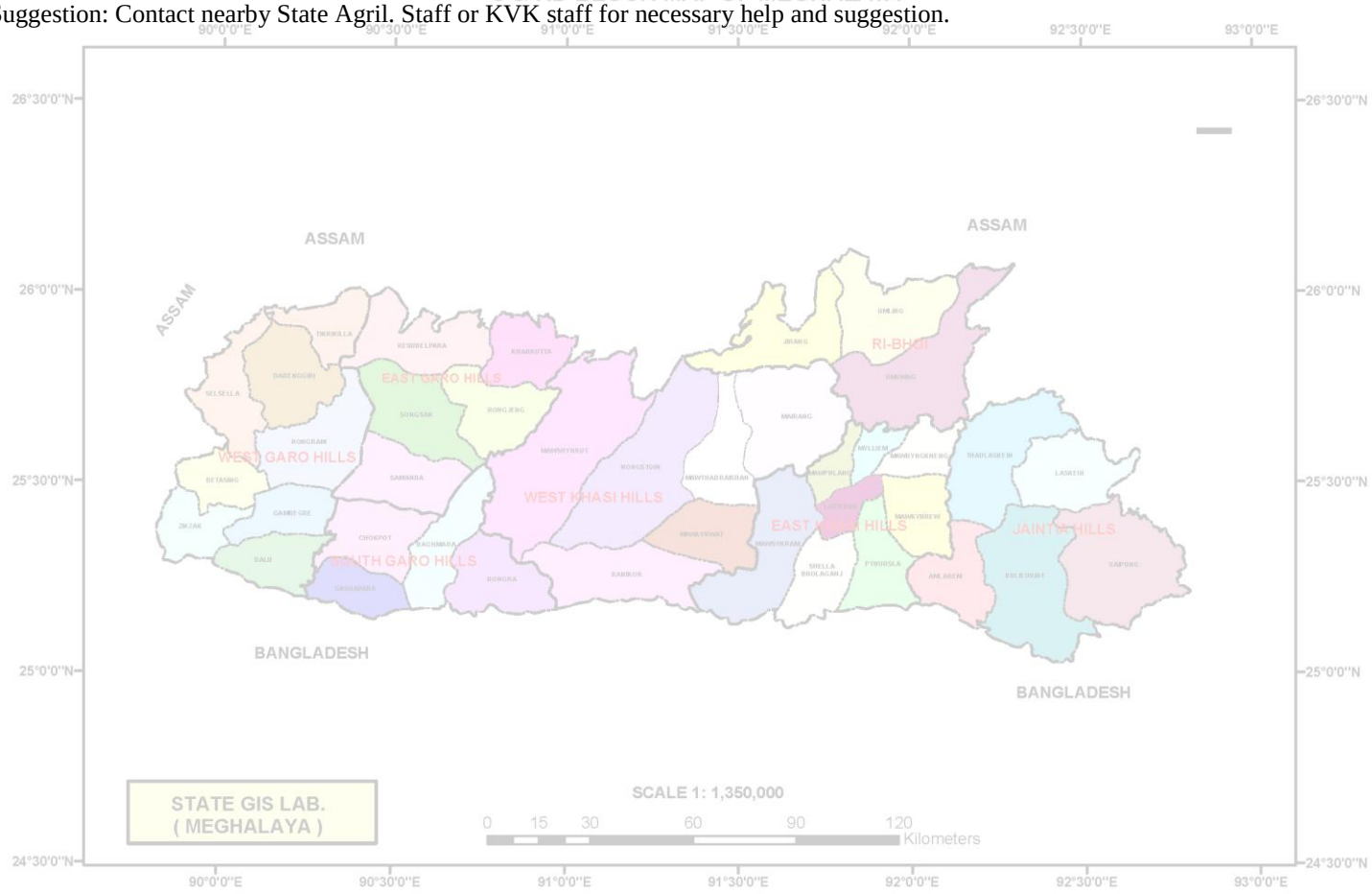
Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.