



Agro Advisory Bulletin – East Jaintia Hills (Period 11th – 15th July, 2015)

Weather forecast valid up to 15th July, 2015

There is possibility of light to moderate rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 28-30°C & 20°C respectively. The expected relative humidity will be 92-96% (maximum) & 59-79% (minimum). Wind direction will be 116-259Degree at a speed of 2 kmph during the next five days.

Weekly cumulative rainfall :41.0mm

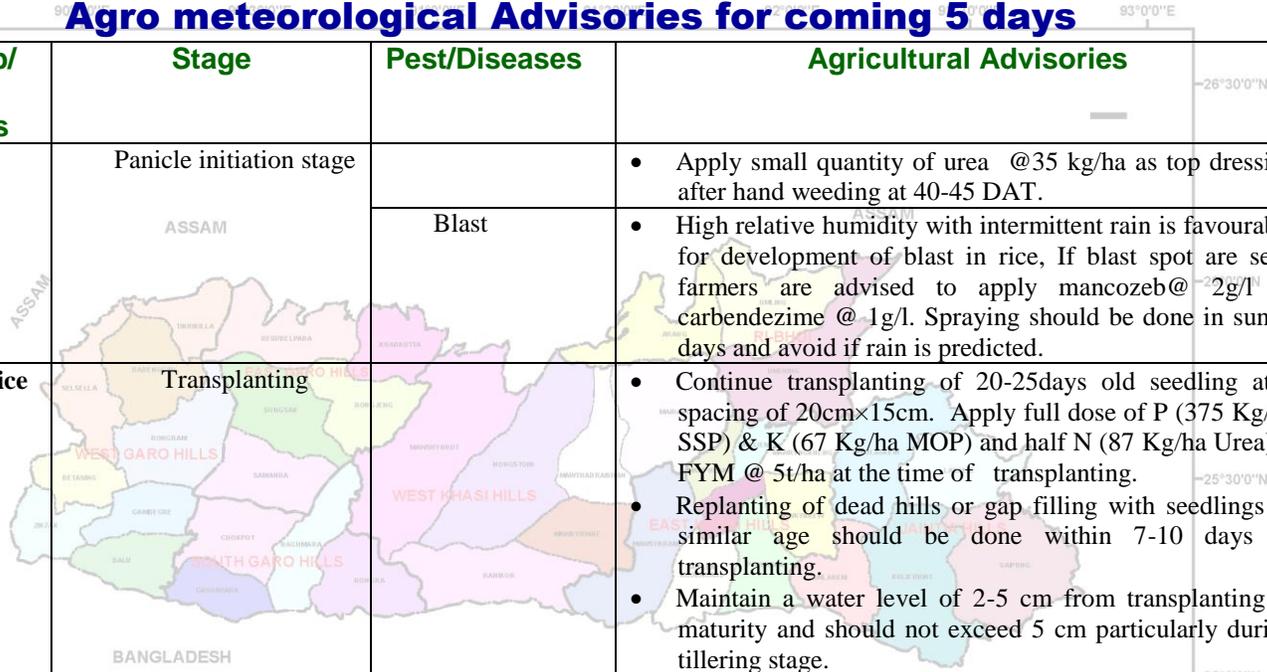
C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Panicle initiation stage	Blast	<ul style="list-style-type: none"> Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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^N or carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		<ul style="list-style-type: none"> Continue 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	Aphid/ Leaf miner	<ul style="list-style-type: none"> First hand weeding should be given at 30-35DAS^N (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. For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage	Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	<ul style="list-style-type: none"> 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. For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,35,000
Kilometers





GRAMIN KRISHI MAUSAM SEWA

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Brinjal	Fruiting/ Picking		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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	Powdery mildew	<ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth. Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Establishment to Vegetative stage		<ul style="list-style-type: none"> 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			<ul style="list-style-type: none"> Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Fishery			
Composite Fish Culture		Pre-stocking management	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.



**ICAR RESEARCH COMPLEX FOR NEH
REGION, UMROI ROAD, BARAPANI UMIAM,
MEGHALAYA**

**AAS BULLETIN FOR WEST KHASI HILLS
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1000	Period:	10/07/2015 to 14/07/2015
Issued On: 10/07/2015			

Weather condition of last four days

Station Name	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
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Weather forecast for next five days in WEST KHASI HILLS district

	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
11/07	11	24	18	7	95	90	3	131
12/07	10	24	18	7	95	71	4	149
13/07	16	24	18	5	94	64	5	144
14/07	16	24	18	7	95	65	5	145
15/07	34	24	18	8	95	67	5	150

Weather summary of the preceding week

Weather forecast valid

General Advisory

Before releasing the fingerlings into the pond, farmers should check the pH of the pond water and liming should be done. 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.

Crop Advisory

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
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1	PADDY (DHAN)	Panicle Initiation	Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
2	PADDY (DHAN)	Transplanting	Continue 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.
3	TOMATO	Fruiting	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.
4	TURMERIC ,GINGER	Vegetative Growth	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.
5	Cattle	Vegetative Growth	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.
6	Pig	Vegetative Growth	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

			<p>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 Albendazole (5-10mg/Kg body wt.) should be done.</p>
7	Poultry	Vegetative Growth	<p>Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure give Amprolium @ 25-65 mg/kg feed once a day.</p>



**ICAR RESEARCH COMPLEX FOR NEH
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**AAS BULLETIN FOR EAST GARO HILLS
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1000	Period:	10/07/2015 to 14/07/2015
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Weather condition of last four days

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Weather forecast for next five days in EAST GARO HILLS district

	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
11/07	10	27	24	7	96	90	5	57
12/07	9	33	24	7	96	71	5	150
13/07	15	34	25	6	94	62	6	148
14/07	19	34	26	7	95	63	6	154
15/07	36	33	25	8	96	72	6	165

Weather summary of the preceding week

Weather forecast valid

General Advisory

Before releasing the fingerlings into the pond, farmers should check the pH of the pond water and liming should be done. 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.

Crop Advisory

S.NO.	Crop	Stage	Variety	Agro-Met Advisory
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		/Condition	
1	GROUNDNUT (PEA NUT/MUNG PHALLI)	Vegetative Growth	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. For management of Aphid/ Leaf miner spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
2	PADDY (DHAN)	Panicle Initiation	Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
3	PADDY (DHAN)	Transplanting	Continue transplanting of 20-25days old seedling at a spacing of 20cmÃ—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.
4	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.
5	SOYBEAN (BHAT)	Vegetative Growth	Provide good channels for removing excess water to avoid water stagnation in the field.â€¢ First hand weeding should be taken up at 15DAS depending on the weed population. For management of pests

			like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit
6	TURMERIC ,GINGER	Vegetative Growth	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.
7	Cattle	Vegetative Growth	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 aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
8	Pig	Vegetative Growth	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 Albendazole (5-10mg/Kg body wt.) should be done.
9	Poultry	Vegetative Growth	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.



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STATION**



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Weather condition of last four days

	Station Name	Rainfall(mm)	Max Temperature(⁰ C)	Min Temperature(⁰ C)	Total cloud cover(octa)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Kmph)	Wind Direction(deg)
05/07	CHERRA PUNJI	153.60	21.60	18.60	9.00	97.00	97.00	0.00	Calm
05/07	SHILLONG (CSO)		25.60		7.00		74.00	3.20	SW
06/07	CHERRA PUNJI	3.40	23.60	19.10	8.00	88.00	80.00	0.00	Calm
06/07	SHILLONG (CSO)	3.10	22.70	18.40	6.00	91.00	91.00	0.00	Calm
07/07	CHERRA PUNJI	0.00	25.40	19.50	7.00	82.00	82.00	0.00	Calm
07/07	SHILLONG (CSO)	3.70	25.40	18.20	8.00	94.00	94.00	0.00	Calm
08/07	SHILLONG (CSO)		26.40		6.00		74.00	3.20	NE
09/07	SHILLONG (CSO)	4.20		18.80	8.00	85.00		0.00	Calm
10/07	CHERRA PUNJI		20.20		8.00		97.00	0.00	Calm
10/07	SHILLONG (CSO)		22.50		7.00		79.00	0.00	Calm

Weather forecast for next five days in EAST KHASI HILLS district

	Rainfall(mm)	Max Temperature(⁰ C)	Min Temperature(⁰ C)	Total cloud cover(octa)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Kmph)
11/07	15	24	18	7	91	84	2

12/07	19	24	18	6	92	65	4
13/07	16	24	18	5	93	63	4
14/07	31	24	18	7	95	66	4
15/07	30	24	18	8	94	64	5

Weather summary of the preceding week

Weather forecast valid

Moderate to rather heavy rains may occur. Next week, the minimum and maximum temperature range between 18.0-18.0 and 24.0-24.0 Deg.C. The minimum and maximum relative humidity range between 63.0-84.0 and 91.0-95.0 %. South-Eastern winds blow at a speed of 2.0-5.0 kmph

General Advisory

Before releasing the fingerlings into the pond, farmers should check the pH of the pond water and liming should be done. 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.

Crop Advisory

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	PADDY (DHAN)	Panicle Initiation		Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazim @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
2	PADDY (DHAN)	Transplanting		Continue transplanting of 20-25 days old seedling at a spacing of 20cm x 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 advised 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.
3	TOMATO	Fruiting		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 10-15 days interval for control of fruit borer.

				Avoid tomato fruits for consumption up to 7-10 days after the spray of the chemicals.
4	TURMERIC ,GINGER	Vegetative Growth		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.
5	Cattle	Vegetative Growth		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 aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
6	Pig	Vegetative Growth		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 Albendazole (5-10mg/Kg body wt.) should be done.
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MEGHALAYA**

AAS BULLETIN FOR RI BHOI DISTRICT

AMFU, AGRICULTURAL RESEARCH STATION



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Weather forecast for next five days in RI BHOI district

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13/07	12	31	23	5	95	68	3	152
14/07	16	33	24	7	97	69	4	156
15/07	30	33	23	8	97	62	3	152

Weather summary of the preceding week					Weather forecast valid			
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	NUT/MUNG PHALLI)			up to promote easy penetration of pegs into soil. Avoid water stagnation in the field, provide good drainage system. For management of Aphid/ Leaf miner spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
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7	TURMERIC ,GINGER	Vegetative Growth	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.
8	Cattle	Vegetative Growth	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 aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
9	Pig	Vegetative Growth	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 Albendazole (5-10mg/Kg body wt.) should be done.
10	Poultry	Vegetative Growth	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.



**ICAR RESEARCH COMPLEX FOR NEH
REGION, UMROI ROAD, BARAPANI UMIAM,
MEGHALAYA**

**AAS BULLETIN FOR SOUTH GARO
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1000	Period:	10/07/2015 to 14/07/2015
Issued On: 10/07/2015			

Weather condition of last four days

Station Name	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
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Weather forecast for next five days in SOUTH GARO HILLS district

	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
11/07	12	29	24	8	95	88	6	65
12/07	10	33	25	7	95	69	5	130
13/07	12	34	25	5	95	63	7	123
14/07	20	34	26	7	95	64	7	128
15/07	30	33	25	8	95	71	8	134

Weather summary of the preceding week

Weather forecast valid

General Advisory

Before releasing the fingerlings into the pond, farmers should check the pH of the pond water and liming should be done. 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.

Crop Advisory

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
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1	GROUNDNUT (PEANUT/MUNGPHALLI)	Vegetative Growth	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. For management of Aphid/ Leaf miner spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
2	PADDY (DHAN)	Panicle Initiation	Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
3	PADDY (DHAN)	Transplanting	Continue transplanting of 20-25days old seedling at a spacing of 20cm \times 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.
4	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.
5	SOYBEAN (BHAT)	Vegetative Growth	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. 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
6	TURMERIC ,GINGER	Vegetative Growth	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.
7	Cattle	Vegetative Growth	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 aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
8	Pig	Vegetative Growth	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 Albendazole (5-10mg/Kg body wt.) should be done.
9	Poultry	Vegetative Growth	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.



**ICAR RESEARCH COMPLEX FOR NEH
REGION, UMROI ROAD, BARAPANI UMIAM,
MEGHALAYA**

**AAS BULLETIN FOR WEST GARO HILLS
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1000	Period:	10/07/2015 to 14/07/2015
Issued On: 10/07/2015			

Weather condition of last four days

Station Name	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
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Weather forecast for next five days in WEST GARO HILLS district

	Rainfall (mm)	Max Temperature (°C)	Min Temperature (°C)	Total cloud cover (octa)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed (Kmph)	Wind Direction (deg)
11/07	14	25	24	8	97	91	7	64
12/07	9	33	24	8	95	71	4	138
13/07	16	34	25	6	96	62	6	135
14/07	26	34	25	7	96	64	7	150
15/07	46	33	25	8	96	77	7	161

Weather summary of the preceding week	Weather forecast valid
	Moderate to rather heavy rains may occur. Next week, the minimum and maximum temperature range between 24.0-25.0 and 25.0-34.0 Deg.C. The minimum and maximum relative humidity range between 62.0-91.0 and 95.0-97.0 %. Eastern winds blow at a speed of 4.0-7.0 kmph

General Advisory

Before releasing the fingerlings into the pond, farmers should check the pH of the pond water and

liming should be done. 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.

Crop Advisory

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	GROUNDNUT (PEANUT/MUNG PHALLI)	Vegetative Growth		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. For management of Aphid/ Leaf miner spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
2	PADDY (DHAN)	Panicle Initiation		Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
3	PADDY (DHAN)	Transplanting		Continue transplanting of 20-25days old seedling at a spacing of 20cm \times 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.
4	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.

5	SOYBEAN (BHAT)	Vegetative Growth	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. 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
6	TURMERIC ,GINGER	Vegetative Growth	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.
7	Cattle	Vegetative Growth	Keep the cattle shed hygienic by fumigation and white washing of walls with lime. Keep 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 spp.) and produced aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground.
8	Pig	Vegetative Growth	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 Albendazole (5-10mg/Kg body wt.) should be done.
9	Poultry	Vegetative Growth	Keep the poultry house dry and avoid dampness. Present weather is congenial for development of diseases like Coccidiosis, so as a preventive measure give Amprolium @ 25-65 mg/kg feed once a day.



Agro Advisory Bulletin – West Jaintia Hills
(Period 11th – 15th July, 2015)

Weather forecast valid up to 15th July, 2015

There is possibility of light to moderate rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 28-30°C & 20°C respectively. The expected relative humidity will be 92-96% (maximum) & 59-79% (minimum). Wind direction will be 116-259Degree at a speed of 2 kmph during the next five days.

Weekly cumulative rainfall :41.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/ Diseases	Agricultural Advisories
Jhum Rice	Panicle initiation stage ASSAM	Blast	<ul style="list-style-type: none"> Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		<ul style="list-style-type: none"> Continue 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		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage		<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit
Brinjal	Fruiting/ Picking		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks.
	Fruit borer		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth.
	Powdery mildew		<ul style="list-style-type: none"> Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		<ul style="list-style-type: none"> 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			<ul style="list-style-type: none"> Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Fishery			
Composite Fish Culture	Pre-stocking management		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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.



Agro Advisory Bulletin – North Garo Hills
(Period 11th – 15th July, 2015)

Weather forecast valid up to 15th 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 31-34°C & 24-26°C respectively. The expected relative humidity will be 93-98% (maximum) & 61-92% (minimum). Wind direction will be 53-199Degree at a speed of 4-6kmph during the next five days.

Weekly cumulative rainfall :106.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Panicle initiation stage	Blast	<ul style="list-style-type: none"> Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazim @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		<ul style="list-style-type: none"> Continue 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	Aphid/ Leaf miner	<ul style="list-style-type: none"> 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. For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean	Vegetative stage	Hairy caterpillar/ Semilooper/ Leaf roller/ Flea beetle	<ul style="list-style-type: none"> 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. For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit



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Brinjal	Fruiting/ Picking		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	<ul style="list-style-type: none"> Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Vegetative stage		<ul style="list-style-type: none"> 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			<ul style="list-style-type: none"> Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Fishery			
Composite Fish Culture		Pre-stocking management	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.



Agro Advisory Bulletin – South West Garo Hills (Period 11th – 15th July, 2015)

Weather forecast valid up to 15th 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 29-30°C & 22-23°C respectively. The expected relative humidity will be 93-97% (maximum) & 65-92% (minimum). Wind direction will be 59-194Degree at a speed of 4-6 kmph during the next five days.

Weekly cumulative rainfall :95.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice 	Panicle initiation stage	Blast	<ul style="list-style-type: none"> Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT.
	Transplanting		<ul style="list-style-type: none"> 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice 	Transplanting		<ul style="list-style-type: none"> Continue 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		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean 	Vegetative stage		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> For management of pests like hairy caterpillar, semilooper, leaf roller and flea beetle, spray dichlorvos 100 EC @ 0.5 ml/l or chlorpyrifos 20 EC @ 1 ml/lit



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Pigeon Pea (Red Gram/Arhar)	Sowing		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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	C & RD BLOCK MAP OF MEGHALAYA	<ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth.
		Powdery mildew	<ul style="list-style-type: none"> Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
Ginger/ turmeric	Establishment to Vegetative stage		<ul style="list-style-type: none"> 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	ASSAM		<ul style="list-style-type: none"> Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Fishery			
Composite Fish Culture		Pre-stocking management	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.



Agro Advisory Bulletin – South West Khasi Hills
(Period 11th – 15th July, 2015)

Weather forecast valid up to 15th July, 2015

There is possibility of light to moderate rain in the next five days. Sky may be generally cloudy to cloudy with a maximum and minimum temperature of 28-30°C & 20°C respectively. The expected relative humidity will be 92-94% (maximum) & 63-85% (minimum). Wind direction will be 99-124Degree at a speed of 4-7kmph during the next five days.

Weekly cumulative rainfall :59.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Jhum Rice	Panicle initiation stage	Blast	<ul style="list-style-type: none"> Apply small quantity of urea @35 kg/ha as top dressing after hand weeding at 40-45 DAT. 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 carbendazime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
Sali/Kharif Rice	Transplanting		<ul style="list-style-type: none"> Continue 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		<ul style="list-style-type: none"> 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	Fruit borer	<ul style="list-style-type: none"> Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks. 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	Powdery mildew	<ul style="list-style-type: none"> Support of bamboo structure for climbing upward may be raised for proper growth. Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.



GRAMIN KRISHI MAUSAM SEWA

ICAR Research Complex for NEH Region

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Water Harvesting			<ul style="list-style-type: none"> Take measures to conserve rain water by used of mulching materials, digging of ponds, Jalkund, etc.
Khasi Mandarin			<ul style="list-style-type: none"> Apply 350g urea, 450g SSP, 200 MOP per tree of Khasi Mandarin during June/ July. Provide mulches like straw, farm grasses in the basins.

Fishery

Composite Fish Culture		Pre-stocking management	<ul style="list-style-type: none"> 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.
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