



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

**AAS BULLETIN FOR WEST GARO HILLS  
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**

Bulletin No:	0076/2015/1303	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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)
30/05	29	30	21	7	96	61	7	85
31/05	38	30	21	8	96	79	6	116
01/06	41	30	21	7	95	83	7	110
02/06	18	30	21	5	97	75	8	59
03/06	17	30	21	4	97	69	7	70

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 21.0-21.0 and 30.0-30.0 Deg.C. The minimum and maximum relative humidity range between 61.0-83.0 and 95.0-97.0 %. Eastern winds blow at a speed of 6.0-8.0 kmph

**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @ 108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
4	GROUNDNUT (PEA)	Sowing to Land		As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYVâ€™s like ICGS 76, JL 24, etc maintaining a spacing of 30cm

	NUT/MUNG PHALLI)	Preparation		~— 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY (DHAN)	Active Tillering		Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
6	PADDY (DHAN)	Nursery Preparation to Land Preparation		Nursery preparation: Start preparing raised nursery bed of size 10m (length) ~— 1.25m (width) ~— 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV~s like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
7	SOYBEAN (BHAT)	Sowing to Land Preparation		Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm ~— 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
8	TURMERIC ,GINGER	Establishment		Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle			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 spp.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
10	Pig			Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.



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

**AAS BULLETIN FOR EAST KHASI HILLS  
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**

Bulletin No:	0076/2015/1308	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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)
24/05	CHERRAPUNJI	106.10	22.20	14.80	7.00	83.00	72.00	3.20	NNE
24/05	SHILLONG (CSO)	2.50	26.90	14.00	2.00	52.00	52.00	8.00	SW
25/05	CHERRAPUNJI	18.50	22.60	16.90	8.00	93.00	58.00	3.20	SW
25/05	SHILLONG (CSO)	7.60	25.20	16.50	5.00	72.00	72.00	6.40	SW
26/05	CHERRAPUNJI	147.40	24.20	13.90	7.00	70.00	70.00	0.00	Calm
26/05	SHILLONG (CSO)	15.30	25.00	14.50	5.00	79.00	79.00	3.20	SW
27/05	CHERRAPUNJI	84.60		14.60	8.00	70.00		3.20	W
27/05	SHILLONG (CSO)	11.40		14.70	5.00	62.00		9.60	W
28/05	CHERRAPUNJI	56.50	23.20	15.90	8.00	73.00	73.00	3.20	SW
28/05	SHILLONG (CSO)	3.00	25.60	16.90	7.00	56.00	56.00	6.40	SW
29/05	CHERRAPUNJI	152.40	22.20	17.40	8.00	97.00	94.00	0.00	Calm
29/05	SHILLONG (CSO)		24.80	18.00	7.00	65.00	59.00	3.20	SW

**Weather forecast for next five days in EAST 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)
30/05	53	25	18	7	89	51	4	103
31/05	50	25	18	8	94	58	4	143
01/06	47	25	18	7	97	84	6	105
02/06	44	25	18	4	95	69	6	69
03/06	46	25	18	3	95	60	4	92

Weather summary of the preceding week	Weather forecast valid
Rather heavy to very heavy rainfall. The mostly cloudy weather prevailed. Next week, the minimum and maximum temperature range between 13.9-18.0 and 22.2-26.9 Deg.C. The minimum and maximum relative humidity range between 52.0-94.0 and 52.0-97.0 %. During this period, wind speed was varying between 0.0-9.6 kmph	Rather heavy rains may occur. Next week, the minimum and maximum temperature range between 18.0-18.0 and 25.0-25.0 Deg.C. The minimum and maximum relative humidity range between 51.0-84.0 and 89.0-97.0 %. Eastern winds blow at a speed of 4.0-6.0 kmph

**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

## Crop Advisory

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
4	PADDY (DHAN)	Active Tillering		Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
5	PADDY (DHAN)	Nursery Preparation to Land Preparation		Kharif Rice: Nursery preparation Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYVâ€™s like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
6	POTATO	Maturation		Spray chlorpyrifos 20 EC @ 1ml/litre for control of cut worms in potato. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
7	TOMATO	Flowering		Apply urea @86 kg/ha after hand weeding at 20 & 45 DAT. Stake the plants with 1-1.5 m tall bamboo sticks at 30 DAT.
8	TURMERIC, GINGER	Establishment		Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle			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. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
10	Pig			Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.



**ICAR RESEARCH COMPLEX FOR NEH  
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MEGHALAYA**

**AAS BULLETIN FOR SOUTH WEST KHASI  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**

Bulletin No:	0076/2015/1308	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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 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)
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Weather summary of the preceding week

Weather forecast valid

**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD, ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
4	PADDY (DHAN)	Active Tillering		Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
5	PADDY (DHAN)	Nursery Preparation to Land Preparation		Kharif Rice: Nursery preparation Start preparing raised nursery bed of size 10m (length) × 1.25m (width) × 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV varieties like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin

			50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
6	POTATO	Maturation	Spray chlorpyrifos 20 EC @ 1ml/litre for control of cut worms in potato. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
7	TOMATO	Flowering	Apply urea @86 kg/ha after hand weeding at 20 & 45 DAT. Stake the plants with 1-1.5 m tall bamboo sticks at 30 DAT.
8	TURMERIC ,GINGER	Establishment	Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle		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 spp.) and produced aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
10	Pig		Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.



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MEGHALAYA**

**AAS BULLETIN FOR WEST KHASI HILLS  
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**

Bulletin No:	0076/2015/1308	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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)
30/05	28	26	18	7	93	56	4	142
31/05	40	26	18	8	96	66	4	210
01/06	49	26	18	7	98	85	5	187
02/06	41	26	19	4	97	77	5	63
03/06	22	26	18	3	96	71	4	86

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur. Next week, the minimum and maximum temperature range between 18.0-19.0 and 26.0-26.0 Deg.C. The minimum and maximum relative humidity range between 56.0-85.0 and 93.0-98.0 %. Eastern winds blow at a speed of 4.0-5.0 kmph

**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ASH GOURD	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation losses. Support of bamboo structure for climbing upward may be raised for proper growth.

	(PETHA)		
3	BRINJAL	Vegetative Growth	Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
4	PADDY (DHAN)	Active Tillering	Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
5	PADDY (DHAN)	Nursery Preparation to Land Preparation	Kharif Rice: Nursery preparation Start preparing raised nursery bed of size 10m (length) Ã— 1.25m (width) Ã— 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYVâ€™s like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
6	POTATO	Maturation	Spray chlorpyrifos 20 EC @ 1ml/litre for control of cut worms in potato. Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.
7	TOMATO	Flowering	Apply urea @86 kg/ha after hand weeding at 20 & 45 DAT. Stake the plants with 1-1.5 m tall bamboo sticks at 30 DAT.
8	TURMERIC, GINGER	Establishment	Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle		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 spp.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
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**AAS BULLETIN FOR EAST JAINTA HILLS  
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**



Bulletin No:	0076/2015/1322	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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 EAST JAINTA 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)
Weather summary of the preceding week				Weather forecast valid			

**General Advisory**

Start preparing raised nursery bed and start sowing of HYVâ€™s like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri. Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @ 108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%
4	GROUNDNUT (PEA NUT/MUNG PHALLI)	Sowing to Land Preparation		As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYVâ€™s like ICGS 76, JL 24, etc maintaining a spacing of 30cm x 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY (DHAN)	Active Tillering		Jhum Rice: Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @ 35 kg/ha as top dressing after 20-25 days after sowing may be apply.

6	PADDY (DHAN)	Grain Formation		Maintain a water level of 3-5cm by draining excess water from the field.
7	PADDY (DHAN)	Sowing to Land Preparation		Kharif Rice: Nursery preparation: Start preparing raised nursery bed of size 10m (length) x 1.25m (width) x 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @ 10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV varieties like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
8	SOYBEAN (BHAT)	Sowing to Land Preparation		Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm* 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
9	TOMATO	Flowering		Apply urea @ 86 kg/ha after hand weeding at 20 & 45 DAT. Stake the plants with 1-1.5 m tall bamboo sticks at 30 DAT.
10	TURMERIC, GINGER	Establishment		Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
11	Cattle			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. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
12	Pig			Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.
13	Poultry			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.



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

**AAS BULLETIN FOR RI BHOI DISTRICT  
AMFU,AGRICULTURAL RESEARCH STATION**



Bulletin No:	0076/2015/1322	Period:	29/05/2015 to 02/06/2015
Issued On:29/05/2015			

**Weather condition of last four days**

Station Name	Rainfall (mm)	Max Temperature( <sup>0</sup> C)	Min Temperature( <sup>0</sup> 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 RI BHOI district**

	Rainfall(mm)	Max Temperature( <sup>0</sup> C)	Min Temperature( <sup>0</sup> C)	Total cloud cover(octa)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Kmph)	Wind Direction(deg)
30/05	20	30	22	6	93	49	3	168
31/05	50	30	21	8	96	57	2	262
01/06	51	30	22	6	98	80	3	157
02/06	50	30	21	2	97	68	3	93
03/06	28	30	21	2	97	58	2	148

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur.Next week,the minimum and maximum temperature range between21.0-22.0 and 30.0-30.0 Deg.C.The minimum and maximum relative humidity range between 49.0-80.0 and 93.0-98.0 %.South-Eastern winds blow at a speed of2.0-3.0 kmph

**General Advisory**

Start preparing raised nursery bed and start sowing of HYVâ€™s like Shahrang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri. Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%

4	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing to Land Preparation	As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYV like ICGS 76, JL 24, etc maintaining a spacing of 30cm x 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY (DHAN)	Active Tillering	Jhum Rice: Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
6	PADDY (DHAN)	Grain Formation	Maintain a water level of 3-5cm by draining excess water from the field.
7	PADDY (DHAN)	Sowing to Land Preparation	Kharif Rice: Nursery preparation: Start preparing raised nursery bed of size 10m (length) x 1.25m (width) x 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
8	SOYBEAN (BHAT)	Sowing to Land Preparation	Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm* 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
9	TOMATO	Flowering	Apply urea @86 kg/ha after hand weeding at 20 & 45 DAT. Stake the plants with 1-1.5 m tall bamboo sticks at 30 DAT.
10	TURMERIC, GINGER	Establishment	Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
11	Cattle		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 spp.) and produced alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
12	Pig		Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.
13	Poultry		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 JAINTA  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No:	0076/2015/1322	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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 JAINTA 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)
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Weather summary of the preceding week	Weather forecast valid
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**General Advisory**

Start preparing raised nursery bed and start sowing of HYV's like Shalsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri. Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%
4	GROUNDNUT (PEA NUT/MUNG PHALLI)	Sowing to Land Preparation		As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYV's like ICGS 76, JL 24, etc maintaining a spacing of 30cm x 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY	Active		Jhum Rice: Farmers should grow nitrogen fixing leguminous crops like, red

	(DHAN)	Tillering		gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
6	PADDY (DHAN)	Grain Formation		Maintain a water level of 3-5cm by draining excess water from the field.
7	PADDY (DHAN)	Sowing to Land Preparation		Kharif Rice: Nursery preparation: Start preparing raised nursery bed of size 10m (length) x 1.25m (width) x 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV varieties like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
8	SOYBEAN (BHAT)	Sowing to Land Preparation		Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm* 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
9	TOMATO	Flowering		Apply urea @86 kg/ha after hand weeding at 20 & 45 DAT. Stake the plants with 1-1.5 m tall bamboo sticks at 30 DAT.
10	TURMERIC, GINGER	Establishment		Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
11	Cattle			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 alfatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
12	Pig			Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.
13	Poultry			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 EAST GARO  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No: 0076/2015/1303      Period: 29/05/2015 to 02/06/2015

Issued On: 29/05/2015

**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 EAST GARO HILLS district**

	Rainfall(mm)	Max Temperature(°C)	Min Temperature(°C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Kmph)	Wind Direction(eg)
30/05	17	31	21	7	95	60	6	123
31/05	47	31	21	8	97	74	6	177
01/06	43	30	21	7	97	85	6	179
02/06	25	32	21	5	97	79	7	55
03/06	19	31	21	4	97	75	6	67

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur. Next week, the minimum and maximum temperature range between 21.0-21.0 and 30.0-32.0 Deg.C. The minimum and maximum relative humidity range between 60.0-85.0 and 95.0-97.0 %. Eastern winds blow at a speed of 6.0-7.0 kmph

**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.

4	GROUNDNUT (PEA NUT/MUNG PHALLI)	Sowing to Land Preparation	As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYVâ€™s like ICGS 76, JL 24, etc maintaining a spacing of 30cm Ã— 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY (DHAN)	Active Tillering	Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
6	PADDY (DHAN)	Nursery Preparation to Land Preparation	Nursery preparation: Start preparing raised nursery bed of size 10m (length) Ã— 1.25m (width) Ã— 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYVâ€™s like Shagsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
7	SOYBEAN (BHAT)	Sowing to Land Preparation	Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm Ã— 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
8	TURMERIC ,GINGER	Establishment	Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle		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 spp.) and produced aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
10	Pig		Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.



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

**AAS BULLETIN FOR NORTH GARO HILLS  
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**



Bulletin No:	0076/2015/1303	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**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 NORTH 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)
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Weather summary of the preceding week	Weather forecast valid
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**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernel Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernel Extract 5%.
4	GROUNDNUT (PEA NUT/MUNG PHALLI)	Sowing to Land Preparation		As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYVâ€™s like ICGS 76, JL 24, etc maintaining a spacing of 30cm Å— 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY (DHAN)	Active Tillering		Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
6	PADDY (DHAN)	Nursery Preparation to Land Preparation		Nursery preparation: Start preparing raised nursery bed of size 10m (length) Å— 1.25m (width) Å— 10cm (height) with 30cm wide channel between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYVâ€™s like Shahrang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for

			transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
7	SOYBEAN (BHAT)	Sowing to Land Preparation	Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm × 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
8	TURMERIC ,GINGER	Establishment	Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle		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. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
10	Pig		Pig shed/stay should keep dry and avoid dampness during rainy days. Repair the roof of pig stay to protect from rain as medium to heavy rain is expected. Provide additional feed ingredients like broken rice, wheat bran, broken maize along with kitchen waste, mineral mixture (20g/day). Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. For skin infection provide Ivermectin (Indectin tab.) @ 10mg/33kg body wt.



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

**AAS BULLETIN FOR SOUTH GARO HILLS  
DISTRICT**

**AMFU,AGRICULTURAL RESEARCH STATION**

Bulletin No:	0076/2015/1303	Period:	29/05/2015 to 02/06/2015
Issued On:29/05/2015			

**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)
30/05	24	30	20	7	95	65	8	103
31/05	37	30	20	8	96	75	8	135
01/06	30	31	20	7	96	83	9	139
02/06	18	30	20	5	97	76	10	74
03/06	13	30	20	4	96	72	8	78

Weather summary of the preceding week	Weather forecast valid
Moderate to rather heavy rains may occur.Next week,the minimum and maximum temperature range between20.0-20.0 and 30.0-31.0 Deg.C.The minimum and maximum relative humidity range between 65.0-83.0 and 95.0-97.0 %.Eastern winds blow at a speed of8.0-10.0 kmph	

**General Advisory**

Farmers are advised to undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter by consulting with veterinary practitioner.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering		Apply the remaining dose of urea @ 44kg/ha at 30 days after sowing. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Flowering		Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Support of bamboo structure for climbing upward may be raised for proper growth.
3	BRINJAL	Vegetative Growth		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Nymphs & adults of Aphids suck the sap from the tender parts & affected leaves gets deformed & stunted. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
4	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing to Land Preparation		As there is sufficient moisture in the soil, farmers can start sowing of groundnut HYVâ€™s like ICGS 76, JL 24, etc maintaining a spacing of 30cm Å— 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with Thiram or Captaf @ 3g/kg of seed to protect the plant from fungal diseases. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing.
5	PADDY (DHAN)	Active Tillering		Farmers should grow nitrogen fixing leguminous crops like, red gram, soyabean, rice bean as intercrop or on the field bunds to maintain soil fertility. Small quantity of urea @35 kg/ha as top dressing after 20-25 days after sowing may be apply.
6	PADDY (DHAN)	Nursery Preparation to		Nursery preparation: Start preparing raised nursery bed of size 10m (length) Å— 1.25m (width) Å— 10cm (height) with 30cm wide channel

		Land Preparation	between the two seed beds. Apply cow dung or compost @10-15kg/seed bed plus a starter dose of urea 80g, SSP 225g, MOP 40g per seed bed. Sow HYV varieties like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1-411 & local varieties like Mendri, Manipuri, etc maintaining a seed rate of 650-1000g/ bed (Nursery area of 500-600 sqm. is sufficient for transplanting of 1ha). Before sowing seeds should be treated with Mancozeb @ 2.5g/litre or Bavistin 50WP @ 2g/l with water for 24hr to protect the crop from blast, Sheath blight, brown spot, sheath rot, etc. Main field preparation: Repair old bunds by maintaining 20-30 cm height in lowland and 15-20 cm in upland. As sufficient moisture is available due to heavy rain in the previous days, farmers should start ploughing of their main field.
7	SOYBEAN (BHAT)	Sowing to Land Preparation	Start sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2. Maintain a spacing of 45cm × 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/ha, 375 kg/ha SSP & 67 kg/ha MOP in the furrow below the seed and mix well with the soil at the time of sowing. Seed inoculation with Rhizobium: Treat the seed with Rhizobium @ 150g/10kg of seed. Mix thoroughly the seed with the culture in a bucket/container and dry in shade for 20-30 mins and sown immediately.
8	TURMERIC, GINGER	Establishment	Planting of ginger/turmeric must be completed now. Make channels between the beds for draining of excess water and weeding.
9	Cattle		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 spp.) and produced aflatoxins, therefore farmers are advised to keep the animals feeds in a dry & clean place & avoid direct contact with soil/ground. To prevent Brucellosis, vaccinate 6-9 months old calves with Brucella abortus cotton strain-19 @ 5ml subcutaneous on the neck and also farmers should take regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
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**ICAR RESEARCH COMPLEX FOR NEH  
REGION, UMROI ROAD, BARAPANI UMIAM,  
MEGHALAYA**

**AAS BULLETIN FOR SOUTH WEST GARO  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH STATION**

Bulletin No:	0076/2015/1303	Period:	29/05/2015 to 02/06/2015
Issued On: 29/05/2015			

**Weather condition of last four days**

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**Weather forecast for next five days in SOUTH 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)
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Weather summary of the preceding week	Weather forecast valid
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**General Advisory**

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S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
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