



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

**AAS BULLETIN FOR SOUTH GARO  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No:	0076/2015/1473	Period:	05/06/2015 to 09/06/2015
Issued On: 05/06/2015			

**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)
06/06	19	34	25	7	93	63	7	137
07/06	27	34	25	8	94	66	9	103
08/06	18	33	25	8	96	75	9	133
09/06	24	32	25	8	95	79	8	96
10/06	45	30	25	7	96	84	8	95

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 25.0-25.0 and 30.0-34.0 Deg.C. The minimum and maximum relative humidity range between 63.0-84.0 and 93.0-96.0 %. South-Eastern winds blow at a speed of 7.0-9.0 kmph

**General Advisory**

Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BRINJAL	Flowering to Fruit Setting		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. For management of shoot and fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% or Chlorpyrifos 20% EC 1ml/l at 15 days interval.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		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 * 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with systematic fungicide like 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.
3	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 after hand weeding.
4	PADDY (DHAN)	Grain Maturity	Boro Rice: Drain out water from the fields if the crop is in maturity stage. Harvest the crop in sunny dry weather if 80 % of the spikelet and leaves turned yellow and dry properly before storing.
5	PADDY (DHAN)	Nursery Preparation	Kharif Rice: 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.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing	Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 to 13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) at 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) Give a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
7	SOYBEAN (BHAT)	Sowing	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 to 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.
9	Pig		Provide plenty of fresh and clean during this hot period. Deworming of pig/piglets with Albendazole (5-10mg/kg body wt.) should be done regularly. Vaccinate all new born piglets against swine fever by consulting with veterinary practitioner.
10	Poultry		Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.





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

**AAS BULLETIN FOR WEST GARO  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No:	0076/2015/1473	Period:	05/06/2015 to 09/06/2015
Issued On:05/06/2015			

**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)
06/06	19	34	25	7	94	60	6	165
07/06	26	34	25	8	96	65	6	67
08/06	30	33	25	8	97	74	7	89
09/06	39	33	25	8	95	80	6	83
10/06	66	31	25	7	96	83	7	76

Weather summary of the preceding week	<b>Weather forecast valid</b>
	Rather heavy rains may occur.Next week,the minimum and maximum temperature range between25.0-25.0 and 31.0-34.0 Deg.C.The minimum and maximum relative humidity range between 60.0-83.0 and 94.0-97.0 %.Eastern winds blow at a speed of6.0-7.0 kmph

**General Advisory**

Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BRINJAL	Flowering to Fruit Setting		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. For management of shoot and fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% or Chlorpyrifos 20% EC 1ml/l at 15 days interval.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		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 * 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with systematic fungicide like 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.
3	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 after hand weeding.
4	PADDY (DHAN)	Grain Maturity		Boro Rice: Drain out water from the fields if the crop is in maturity stage. Harvest the crop in sunny dry weather if 80 % of the spikelet and leaves turned yellow and dry properly before storing.
5	PADDY (DHAN)	Nursery Preparation		Kharif Rice: 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.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing		Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 - 13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) at 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) Give a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
7	SOYBEAN (BHAT)	Sowing		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 to 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.
9	Pig			Provide plenty of fresh and clean during this hot period. Deworming of pig/piglets with Albendazole (5-10mg/kg body wt.) should be done regularly. Vaccinate all new born piglets against swine fever by consulting with veterinary practitioner.
10	Poultry			Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.



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

**AAS BULLETIN FOR WEST KHASI  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No:	0076/2015/1473	Period:	05/06/2015 to 09/06/2015
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Issued On:05/06/2015

**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)
06/06	30	25	17	7	95	68	4	137
07/06	40	25	17	8	95	68	5	111
08/06	40	25	17	8	97	78	5	188
09/06	61	25	17	8	98	83	5	93
10/06	78	24	17	7	99	88	6	87

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur.Next week,the minimum and maximum temperature range between17.0-17.0 and 24.0-25.0 Deg.C.The minimum and maximum relative humidity range between 68.0-88.0 and 95.0-99.0 %.Eastern winds blow at a speed of4.0-6.0 kmph

**General Advisory**

It is the best time for application of fertilizer in Khasi mandarin, farmers are advised to apply 350g Urea, 450g SSP & 200g MOP per plant. Mulching of basin with farm grasses may be done now.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering to Fruit Setting		Give one hand weeding. 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	BRINJAL	Flowering to Fruit Setting		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. For management of shoot and fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% or Chlorpyrifos 20% EC 1ml/l at 15 days interval.
3	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 after hand weeding.
4	PADDY (DHAN)	Nursery Preparation	Kharif Rice: 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.
5	PIGEON PEA (RED GRAM/ARHAR)	Sowing	Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 - 13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) at 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) Give a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
6	TOMATO	Flowering to Fruit Setting	Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks. For management of 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.
7	TURMERIC .GINGER	Establishment to 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	Pig		Provide plenty of fresh and clean during this hot period. Deworming of pig/piglets with Albendazole (5-10mg/kg body wt.) should be done regularly. Vaccinate all new born piglets against swine fever by consulting with veterinary practitioner.
9	Poultry		Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.



**ICAR RESEARCH COMPLEX FOR NEH  
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MEGHALAYA**

**AAS BULLETIN FOR EAST KHASI  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No:	0076/2015/1473	Period:	05/06/2015 to 09/06/2015
Issued On: 05/06/2015			

**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)
01/06	CHERRAPU NJI	541.70		15.80	8.00	0.00		4.80	SW
01/06	SHILLONG (CSO)	15.60		16.80	8.00	71.00		0.00	Calm
02/06	CHERRAPU NJI	181.00	22.20	15.00	8.00	85.00	0.00	3.20	SW
02/06	SHILLONG (CSO)	5.30	24.90	18.50	2.00	59.00	59.00	4.80	NW
03/06	CHERRAPU NJI	53.50	21.60	18.70	6.00	91.00	91.00	0.00	Calm
03/06	SHILLONG (CSO)		26.00	17.60	3.00	56.00	56.00	1.60	SW
04/06	CHERRAPU NJI	2.80	24.10	19.20	8.00	85.00	80.00	0.00	Calm
04/06	SHILLONG (CSO)		25.00	17.60	6.00	82.00	82.00	1.60	SW
05/06	CHERRAPU NJI		24.20	19.20	8.00	94.00	82.00	8.00	SW
05/06	SHILLONG (CSO)	15.80	24.40	17.90	7.00	67.00	0.00	8.00	SW
31/05	CHERRAPU NJI		20.20		8.00		90.00	0.00	Calm
31/05	SHILLONG (CSO)		19.60		7.00		77.00	0.00	Calm

**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)
06/06	30	25	18	6	92	61	5	87
07/06	30	24	18	8	92	62	5	59
08/06	31	24	18	8	96	71	6	88
09/06	57	24	18	8	98	81	6	84
10/06	68	24	17	7	99	89	6	87

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 15.0-19.2 and 19.6-26.0 Deg.C. The minimum and maximum relative humidity range between 0.0-91.0 and 0.0-94.0 %. During this period, wind speed was varying between 0.0-8.0 kmph	Rather heavy rains may occur. Next week, the minimum and maximum temperature range between 17.0-18.0 and 24.0-25.0 Deg.C. The minimum and maximum relative humidity range between 61.0-89.0 and 92.0-99.0 %. Eastern winds blow at a speed of 5.0-6.0 kmph

**General Advisory**

Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot &

humid weather condition.

Crop Advisory

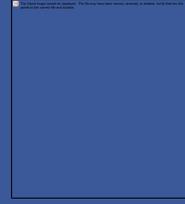
S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BHINDI	Flowering to Fruit Setting		Give one hand weeding. Increased in temperature and humidity is congenial for attack of White fly & Aphids. If attack is seen farmers are advised to spray Dimethoate 30 EC 2ml/l combined with Neem Seed Kernal Extract 5%.
2	BOTTLE GOURD ,ASH GOURD (PETHA)	Fruiting		Give one hand weeding. 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%.
3	BRINJAL	Flowering to Fruit Setting		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. For management of shoot and fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% or Chlorpyrifos 20% EC 1ml/l at 15 days interval.
4	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 after hand weeding.
5	PADDY (DHAN)	Nursery Preparation		Kharif Rice: 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.
6	TOMATO	Flowering to Fruit Setting		Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks. For management of 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.
7	TURMERIC ,GINGER	Establishment to 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	Pig			Provide plenty of fresh and clean during this hot period. Deworming of pig/piglets with Albendazole (5-10mg/kg body wt.) should be done regularly. Vaccinate all new born piglets against swine fever by consulting with veterinary practitioner.
9	Poultry			Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.



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**Weather condition of last four days**

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**Weather forecast for next five days in RI BHOI 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)
06/06	26	32	23	7	96	69	2	129
07/06	35	33	22	8	96	74	2	71
08/06	56	31	23	8	98	75	3	134
09/06	64	31	22	8	99	82	2	107
10/06	71	29	22	6	99	87	3	83

Weather summary of the preceding week	<b>Weather forecast valid</b>
	Heavy rains may occur. Next week, the minimum and maximum temperature range between 22.0-23.0 and 29.0-33.0 Deg.C. The minimum and maximum relative humidity range between 69.0-87.0 and 96.0-99.0 %. Eastern winds blow at a speed of 2.0-3.0 kmph

**General Advisory**

Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BRINJAL	Flowering to Fruit Setting		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation losses. For management of shoot and fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% or Chlorpyrifos 20% EC 1ml/l at 15 days interval.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		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 * 10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with systematic fungicide like 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.
3	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 after hand weeding.
4	PADDY	Grain		Boro Rice: Drain out water from the fields if the crop is in maturity stage.

	(DHAN)	Maturity		Harvest the crop in sunny dry weather if 80 % of the spikelet and leaves turned yellow and dry properly before storing.
5	PADDY (DHAN)	Nursery Preparation		Kharif Rice: 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.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing		Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 - 13 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV's like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) at 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) Give a starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing.
7	SOYBEAN (BHAT)	Sowing		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	TOMATO	Flowering to Fruit Setting		Undertake one weeding and hoeing. Stake the plants with 1-1.5 m tall bamboo sticks. For management of 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.
9	TURMERIC .GINGER	Establishment to 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.
10	Pig			Provide plenty of fresh and clean during this hot period. Deworming of pig/piglets with Albendazole (5-10mg/kg body wt.) should be done regularly. Vaccinate all new born piglets against swine fever by consulting with veterinary practitioner.
11	Poultry			Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.



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

**AAS BULLETIN FOR EAST GARO  
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH  
STATION**



Bulletin No:	0076/2015/1473	Period:	05/06/2015 to 09/06/2015
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Issued On:05/06/2015

**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 EAST GARO HILLS 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)
06/06	26	34	23	7	95	66	5	158
07/06	39	34	23	8	96	67	6	113
08/06	24	33	23	8	97	79	6	181
09/06	35	32	22	8	97	83	6	89
10/06	56	31	21	7	98	86	6	83

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur.Next week,the minimum and maximum temperature range between21.0-23.0 and 31.0-34.0 Deg.C.The minimum and maximum relative humidity range between 66.0-86.0 and 95.0-98.0 %.Eastern winds blow at a speed of5.0-6.0 kmph

**General Advisory**

Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.

**Crop Advisory**

S.NO.	Crop	Stage /Condition	Variety	Agro-Met Advisory
1	BRINJAL	Flowering to Fruit Setting		Apply urea @108 kg/ha after hand weeding at 30DAT. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. For management of shoot and fruit borer: Remove the affected terminal shoot showing boreholes, fruits and destroy. Spray Neem Kernal Extract 5% or Chlorpyrifos 20% EC 1ml/l at 15 days interval.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		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 *10-15cm. Required seed rate is 60-70 kg/ha. Seed treatment should be done with systematic fungicide like 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.

3	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 after hand weeding.
4	PADDY (DHAN)	Grain Maturity	Boro Rice: Drain out water from the fields if the crop is in maturity stage. Harvest the crop in sunny dry weather if 80 % of the spikelet and leaves turned yellow and dry properly before storing.
5	PADDY (DHAN)	Nursery Preparation	Kharif Rice: 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.
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10	Poultry		Keep the poultry house well ventilated and provide water with 1% salt, mineral mixture to cope up with the present hot & humid weather condition.