

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

AAS BULLETIN FOR RI BHOI DISTRICT

**AMFU, AGRICULTURAL RESEARCH
STATION**

Bulletin No:	0076/2015/1684	Period:	12/06/2015 to 16/06/2015
Issued On:12/06/2015			

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 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)
13/06	80	27	21	8	99	89	5	70
14/06	32	28	21	8	99	86	4	65
15/06	35	28	20	8	99	81	2	81
16/06	22	29	21	7	98	80	2	121
17/06	18	29	21	7	98	81	3	156

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur.Next week,the minimum and maximum temperature range between20.0-21.0 and 27.0-29.0 Deg.C.The minimum and maximum relative humidity range between 80.0-89.0 and 98.0-99.0 %.Eastern winds blow at a speed of2.0-5.0 kmph

General Advisory

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 and apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. pH of the pond should be check and proper liming should be done @ 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	BRINJAL	Flowering to Fruit Setting		Weeding and earthing up may be done now. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Harvest the 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.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		Continue sowing of HYV's like ICGS 76, JL 24, etc by maintaining a spacing of 30cm x 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		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 may be apply after 20-25 days after sowing after hand weeding. Management of 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.
4	PADDY (DHAN)	Grain Maturity to Harvesting		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. After harvesting the rice, dry it properly before storing.
5	PADDY (DHAN)	Land Preparation /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'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. 2-3 times ploughing followed by laddering is sufficient. Apply organic manures like FYM or Composts before 15 days of transplanting and

				mixed with soil during ploughing.
6	PIGEON PEA (RED GRAM/ARHAR)	Land Preparation to Sowing		Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 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) after the current spell of rain 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)	Land Preparation to Sowing		Continue sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2 after the current spell of rain. Maintain a spacing of 45cm x 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	Emergence 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 SOUTH GARO
HILLS DISTRICT**

**AMFU,AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1684	Period:	12/06/2015 to 16/06/2015
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Issued On:12/06/2015

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)
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Weather forecast for next five days in SOUTH GARO 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)	Wind Direction(deg)
13/06	50	29	24	8	98	88	12	80
14/06	45	29	23	8	99	84	9	75
15/06	13	28	23	8	98	88	9	92
16/06	27	31	23	7	96	84	6	129
17/06	43	29	24	7	97	81	6	112

Weather summary of the preceding week

Weather forecast valid

Rather heavy rains may occur.Next week,the minimum and maximum temperature range between23.0-24.0 and 28.0-31.0 Deg.C.The minimum and maximum relative humidity range between 81.0-88.0 and 96.0-99.0 %.Eastern winds blow at a speed of6.0-12.0 kmph

General Advisory

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 and apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. pH of the pond should be check and proper liming should be done @ 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	BRINJAL	Flowering to Fruit Setting		Weeding and earthing up may be done now. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Harvest the 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.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		Continue sowing of HYVâ€™s like ICGS 76, JL 24, etc by maintaining a spacing of 30cm Ã— 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		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 may be apply after 20-25 days after sowing after hand weeding. Management of 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 carbendzime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
4	PADDY (DHAN)	Grain Maturity to Harvesting		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. After harvesting the rice, dry it properly before storing.
5	PADDY (DHAN)	Land Preparation to 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 Shhsarang -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. 2-3 times ploughing followed by laddering is sufficient. Apply organic manures like FYM or Composts before 15 days of transplanting and mixed with soil during ploughing.

6	PIGEON PEA (RED GRAM/ARHAR)	Land Preparation to Sowing		Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV varieties like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain 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)	Land Preparation to Sowing		Continue sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2 after the current spell of rain. Maintain a spacing of 45cm x 10cm & seed rate of 50-60kg/ha. Apply urea @ 44kg/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	Emergence 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
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**AAS BULLETIN FOR WEST GARO
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**

Bulletin No:	0076/2015/1684	Period:	12/06/2015 to 16/06/2015
Issued On:12/06/2015			

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)
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Weather forecast for next five days in WEST GARO 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)	Wind Direction(deg)
13/06	39	28	23	8	98	87	11	74
14/06	43	30	23	7	99	81	9	73
15/06	14	29	24	8	98	86	8	78
16/06	32	30	24	7	97	85	5	125
17/06	44	28	24	7	96	82	4	108

Weather summary of the preceding week	Weather forecast valid
	Rather heavy rains may occur.Next week,the minimum and maximum temperature range between23.0-24.0 and 28.0-30.0 Deg.C.The minimum and maximum relative humidity range between 81.0-87.0 and 96.0-99.0 %.Eastern winds blow at a speed of4.0-11.0 kmph

General Advisory

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 and apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. pH of the pond should be check and proper liming should be done @ 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	BRINJAL	Flowering to Fruit Setting		Weeding and earthing up may be done now. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Harvest the 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.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		Continue sowing of HYVâ€™s like ICGS 76, JL 24, etc by maintaining a spacing of 30cm Ã— 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		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 may be apply after 20-25 days after sowing after hand weeding. Management of Blast: High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
4	PADDY (DHAN)	Grain Maturity to Harvesting		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. After harvesting the rice, dry it properly before storing.
5	PADDY (DHAN)	Land Preparation to 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. 2-3 times ploughing followed by laddering is sufficient. Apply organic manures like FYM or Composts before 15 days of transplanting and mixed with soil during ploughing.

6	PIGEON PEA (RED GRAM/ARHAR)	Land Preparation to Sowing		Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV varieties like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain 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)	Land Preparation to Sowing		Continue sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2 after the current spell of rain. Maintain a spacing of 45cm x 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	Emergence 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.



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**AAS BULLETIN FOR WEST KHASI
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1684	Period:	12/06/2015 to 16/06/2015
Issued On:12/06/2015			

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)
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Weather forecast for next five days in WEST 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)	Wind Direction(deg)
13/06	124	23	17	8	99	88	9	65
14/06	40	24	17	8	99	87	6	58
15/06	25	24	17	8	99	85	5	82
16/06	22	25	17	7	96	83	3	156
17/06	29	25	17	7	98	76	4	143

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 23.0-25.0 Deg.C.The minimum and maximum relative humidity range between 76.0-88.0 and 96.0-99.0 %.Eastern winds blow at a speed of3.0-9.0 kmph

General Advisory

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 and apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. pH of the pond should be check and proper liming should be done @ 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	BOTTLE GOURD ,ASH GOURD (PETHA)	Fruiting		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. For management of Powdery Mildew: Spray Bavistin 0.1% or Karathane wp 0.05% if white patches are seen on the leaves.
2	BRINJAL	Flowering to Fruit Setting		Weeding and earthing up may be done now. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Harvest the 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.
3	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 may be apply after 20-25 days after sowing after hand weeding. Management of 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.
4	PADDY (DHAN)	Land Preparation to 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 Shansarang -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. 2-3 times ploughing followed by laddering is sufficient. Apply organic manures like FYM or Composts before 15 days of transplanting and mixed with soil during ploughing.
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6	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.
7	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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UMIAM, MEGHALAYA**

**AAS BULLETIN FOR EAST GARO
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**

Bulletin No: 0076/2015/1684 Period: 12/06/2015 to 16/06/2015

Issued On: 12/06/2015

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 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)
13/06	50	29	23	8	99	87	10	68
14/06	40	29	23	8	99	84	7	62
15/06	14	29	23	8	99	86	6	83
16/06	21	31	23	7	96	85	5	166
17/06	29	30	24	7	97	77	5	134

Weather summary of the preceding week

Weather forecast valid

Rather heavy rains may occur. Next week, the minimum and maximum temperature range between 23.0-24.0 and 29.0-31.0 Deg.C. The minimum and maximum relative humidity range between 77.0-87.0 and 96.0-99.0 %. Eastern winds blow at a speed of 5.0-10.0 kmph

General Advisory

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 and apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15 days before stocking of fingerlings. pH of the pond should be check and proper liming should be done @ 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	BRINJAL	Flowering to Fruit Setting		Weeding and earthing up may be done now. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Harvest the 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.
2	GROUNDNUT (PEANUT/MUNG PHALLI)	Sowing		Continue sowing of HYVâ€™s like ICGS 76, JL 24, etc by maintaining a spacing of 30cm Ã— 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	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 may be apply after 20-25 days after sowing after hand weeding. Management of Blast: High relative humidity with intermittent rain is favourable for development of blast in rice, If blast spot are seen farmers are advised to apply mancozeb@ 2g/l or carbendezime @ 1g/l. Spraying should be done in sunny days and avoid if rain is predicted.
4	PADDY (DHAN)	Grain Maturity to Harvesting	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. After harvesting the rice, dry it properly before storing.
5	PADDY (DHAN)	Land Preparation to 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. 2-3 times ploughing followed by laddering is sufficient. Apply organic manures like FYM or Composts before 15 days of transplanting and mixed with soil during ploughing.
6	PIGEON PEA (RED GRAM/ARHAR)	Land Preparation to Sowing	Prepare the field by ploughing 2-3 times followed by laddering. Apply 10 t/ha of FYM or compost and mixing thoroughly in the soil 1 - 2 weeks before sowing and start sowing of HYV varieties like UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) after the current spell of rain 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)	Land Preparation to Sowing	Continue sowing of soyabean varieties like JS 335, Bragg, Ankur, Pusa Soubean-1, Local JS 2 after the current spell of rain. 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	Emergence 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 EAST KHASI
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/1684	Period:	12/06/2015 to 16/06/2015
Issued On: 12/06/2015			

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)
07/06	CHERRAPUNJI	340.20	23.40	18.00	8.00	97.00	88.00	0.00	Calm
07/06	SHILLONG (CSO)	1.30	25.00	18.40	8.00	72.00	65.00	9.60	SW
08/06	CHERRAPUNJI	578.60		17.30	8.00	0.00		3.20	SW
08/06	SHILLONG (CSO)	4.00		18.00	6.00	69.00		8.00	SW
09/06	CHERRAPUNJI	404.40	22.20	17.40	8.00	97.00	94.00	4.80	SW
09/06	SHILLONG (CSO)	1.50	24.90	18.10	6.00	67.00	63.00	12.80	SW
10/06	CHERRAPUNJI		21.50		9.00		0.00	0.00	Calm
10/06	SHILLONG (CSO)	13.10	24.80	15.90	8.00	97.00	65.00	0.00	Calm
11/06	CHERRAPUNJI	52.10		17.00	8.00	0.00		0.00	Calm
11/06	SHILLONG (CSO)	7.50		17.40	8.00	97.00		0.00	Calm
12/06	CHERRAPUNJI	38.80		15.40	8.00	97.00		0.00	Calm
12/06	SHILLONG (CSO)	5.80		16.30	8.00	76.00		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)
13/06	195	22	17	8	99	90	9	66
14/06	41	23	17	8	99	92	6	65
15/06	21	24	17	8	99	89	4	70
16/06	13	25	17	8	94	78	5	83
17/06	34	25	17	7	97	74	5	107

Weather summary of the preceding week

Weather forecast valid

Heavy rains may occur. Next week, the minimum and maximum temperature range between 17.0-17.0 and 22.0-25.0 Deg.C. The minimum and maximum relative humidity range between 74.0-92.0 and 94.0-99.0 %. Eastern winds blow at a speed of 4.0-9.0 kmph

General Advisory

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 and apply Raw Cow Dung (RCD) @ 10,000 kg/ha, 15days before stocking of fingerlings. pH of the pond should be check and proper liming should be done @ 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	BRINJAL	Flowering to Fruit Setting		Weeding and earthing up may be done now. Provide mulching materials like straw, grasses, etc to reduce evaporation loses. Harvest the 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.
2	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 may be apply after 20-25 days after sowing after hand weeding. Management of 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)	Land Preparation to 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 Shansarang -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. 2-3 times ploughing followed by laddering is sufficient. Apply organic manures like FYM or Composts before 15 days of transplanting and mixed with soil during ploughing.
4	POTATO	Maturation to Harvesting		Start harvesting of mature potato crop Collect and destroy the pest/disease damage tubers Sort out the cot/bruised tubers before storage Seed tuber treatment with boric acid (3%) for 20 minutes before storage. Clean the store before placing the tubers
5	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.
6	TURMERIC, GINGER	Emergence 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.
7	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.
8	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.