



Agro Advisory Bulletin – North Garo Hills **(Period 12th – 16th Aug, 2015)**

Weather forecast valid up to 16th Aug, 2015

There is possibility of moderate rain in the next five days. Sky may be generally cloudy with a maximum and minimum temperature of 33-34°C & 25°C respectively. The expected relative humidity will be 91-96% (maximum) & 56-72% (minimum). Wind direction will be 200-217 at a speed of 5-6 kmph during the next five days.

Weekly cumulative rainfall :100.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> 1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
		Aphid/ Leaf miner	<ul style="list-style-type: none"> For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
			<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.



GRAMIN KRISHI MAUSAM SEWA

ICAR Research Complex for NEH Region

Umroi Road, Umiam – 793 103 Meghalaya



☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

French Bean	Sowing		<ul style="list-style-type: none"> Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
Ginger/ turmeric	Rhizome initiation stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
		<p style="text-align: center;">Leaf Spot</p> <p style="text-align: center;">Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Pea (High altitude regions)	Sowing		<ul style="list-style-type: none"> Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Cauliflower (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
Animal Sciences			
Poultry 25°30'0"N 25°0'0"N		<p style="text-align: center;">Coccidiosis</p> <p style="text-align: center;">Ranikhet disease</p>	<ul style="list-style-type: none"> Warm temperature with high relative humidity is favorable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000



24°30'0"N 90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E 24°30'0"N



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

AAS BULLETIN FOR RI BHOI DISTRICT

**AMFU, AGRICULTURAL RESEARCH
STATION**

Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On: 11/08/2015			

Weather condition of last four days

St ati on Na me	Rainfall(mm)	Max Tempreature (⁰ C)	Min Tempreature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed(Km ph)	Wind Direction(deg)
-----------------------------	------------------	---	---	-----------------------------------	------------------------------------	------------------------------------	-------------------------	----------------------------

Weather forecast for next five days in RI BHOI district

	Rainfall(mm)	Max Temperature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Km ph)	Wind Direction(deg)
12/0 8	11	34	23	5	96	55	3	168
13/0 8	13	31	23	5	95	70	3	157
14/0 8	13	32	23	6	95	67	3	156
15/0 8	23	31	23	6	97	70	3	153
16/0 8	22	30	23	7	97	80	3	172

Weather summary of the preceding week

Weather forecast valid

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
1	BLACK GRAM	Sowing		Continue sowing of green/ black gram.

	(URD BEAN) (GREEN GRAM) (MOONG BEAN/ MOONG)			Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T-9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER (For High altitude regions)	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation		Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.
			Leaf spot	Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR) (For High altitude regions)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of

				sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of

				4-7 days old and 35 days old through eye and nostril.
--	--	--	--	---





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

**AAS BULLETIN FOR SOUTH GARO
HILLS DISTRICT**

**AMFU,AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On:11/08/2015			

Weather condition of last four days

St ati on Na me	Rainfall(mm)	Max Temprature (⁰ C)	Min Temprature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed(Km ph)	Wind Direction(deg)
-----------------------------	------------------	--	--	-----------------------------------	------------------------------------	------------------------------------	-------------------------	----------------------------

Weather forecast for next five days in SOUTH GARO HILLS district

	Rainfall(mm)	Max Temperature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Km ph)	Wind Direction(deg)
12/0 8	15	34	25	6	92	60	5	144
13/0 8	10	34	25	5	94	62	6	136
14/0 8	16	34	25	5	94	61	6	139
15/0 8	32	33	25	6	96	65	6	172
16/0 8	13	32	25	7	95	74	7	185

Weather summary of the preceding week

Weather forecast valid

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
-------	------	---------------------	-------------------	-------------------

1	BLACK GRAM (URD BEAN), GREEN GRAM (MOONG BEAN/ MOONG)	Sowing		Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T-9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER (For high altitude regions)	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation	Leaf spot	Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR) (For high altitude regions)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP).

				Apply all doses of fertilizers at the time of sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with

				F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
--	--	--	--	---





Agro Advisory Bulletin – South West Garo Hills (Period 12th – 16th Aug, 2015)

Weather forecast valid up to 16th Aug, 2015

There is possibility of moderate rain in the next five days. Sky may be partly cloudy to cloudy with a maximum and minimum temperature of 29-31°C & 23°C respectively. The expected relative humidity will be 93-96% (maximum) & 59-70% (minimum). Wind direction will be 185-203 at a speed of 4-9 kmph during the next five days.

Weekly cumulative rainfall :102.0mm

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> 1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
		Aphid/ Leaf miner	<ul style="list-style-type: none"> For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Pigeon Pea/ Red Gram (Lower altitude regions)	Sowing to vegetative stage		<ul style="list-style-type: none"> Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.



GRAMIN KRISHI MAUSAM SEWA

ICAR Research Complex for NEH Region

Umroi Road, Umiam – 793 103 Meghalaya



☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

French Bean	Sowing		<ul style="list-style-type: none"> Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
Ginger/ turmeric	Rhizome initiation stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
		<p style="text-align: center;">Leaf Spot</p> <p style="text-align: center;">Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Pea (High altitude regions)	Sowing		<ul style="list-style-type: none"> Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Cauliflower (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
Animal Sciences			
Poultry		Coccidiosis	<ul style="list-style-type: none"> Warm temperature with high relative humidity is favorable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000



24°30'0"N 90°0'0"E 90°30'0"E 91°0'0"E 91°30'0"E 92°0'0"E 92°30'0"E 93°0'0"E



Agro Advisory Bulletin – South West Khasi Hills (Period 12th – 16th Aug, 2015)

Weather forecast valid up to 16th Aug, 2015

There is possibility of light to moderate rain in the next five days. Sky may be generally cloudy with a maximum and minimum temperature of 26-28°C & 18-19°C respectively. The expected relative humidity will be 89-97% (maximum) & 59-74% (minimum). Wind direction will be 94-169 at a speed of 3-5 kmph during the next five days.

Weekly cumulative rainfall :106.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> 1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
		Aphid/ Leaf miner	<ul style="list-style-type: none"> For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
			<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Pigeon Pea/ Red Gram	Sowing to vegetative stage		<ul style="list-style-type: none"> Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
Green Gram/ Black Gram	Sowing		<ul style="list-style-type: none"> Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.



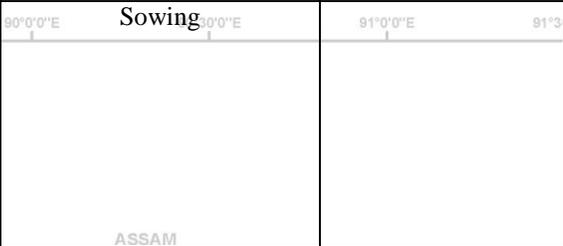
GRAMIN KRISHI MAUSAM SEWA

ICAR Research Complex for NEH Region

Umroi Road, Umiam – 793 103 Meghalaya



☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

French Bean	Sowing		<ul style="list-style-type: none"> Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
Ginger/ turmeric	Rhizome initiation stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
		<p style="text-align: center;">Leaf Spot</p> <p style="text-align: center;">Rhizome rot (ginger)</p>	<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water. Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Pea (High altitude regions)	Sowing		<ul style="list-style-type: none"> Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Cauliflower (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
Animal Sciences			
Poultry		Coccidiosis	<ul style="list-style-type: none"> Warm temperature with high relative humidity is favorable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.

STATE GIS LAB.
(MEGHALAYA)

SCALE 1: 1,350,000





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

**AAS BULLETIN FOR WEST GARO HILLS
DISTRICT**

**AMFU,AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On:11/08/2015			

Weather condition of last four days

St ati on Na me	Rainfall(mm)	Max Temprature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed(Km ph)	Wind Direction(deg)
-----------------------------	------------------	--	---	-----------------------------------	------------------------------------	------------------------------------	-------------------------	----------------------------

Weather forecast for next five days in WEST GARO HILLS district

	Rainfall(mm)	Max Temperature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Km ph)	Wind Direction(deg)
12/0 8	32	34	25	5	94	59	6	175
13/0 8	13	34	25	5	95	62	8	167
14/0 8	18	33	25	6	95	60	7	163
15/0 8	25	33	25	7	96	65	6	179
16/0 8	24	33	25	7	94	69	10	190

Weather summary of the preceding week	Weather forecast valid
	Moderate to rather heavy rains may occur.Next week,the minimum and maximum temperature range between25.0-25.0 and 33.0-34.0 Deg.C.The minimum and maximum relative humidity range between 59.0-69.0 and 94.0-96.0 %.Southern winds blow at a speed of6.0-10.0 kmph

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
1	BLACK GRAM (URD), GREEN GRAM (MOONG)	Sowing		Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T-9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER (For high altitude region)	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation	Leaf spot	Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8,

	(For high altitude region)			TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the

				dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
--	--	--	--	---





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

**AAS BULLETIN FOR WEST JAINTA HILLS
DISTRICT**

AMFU, AGRICULTURAL RESEARCH STATION



Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On: 11/08/2015			

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)
--------------	---------------	----------------------	----------------------	--------------------------	---------------------------	---------------------------	-------------------	----------------------

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)
12/08	14	28	20	6	94	55	2	118
13/08	9	28	20	5	94	66	3	111
14/08	20	28	20	5	94	62	3	108
15/08	46	25	20	6	96	63	4	110
16/08	39	25	20	7	98	69	4	137

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 20.0-20.0 and 25.0-28.0 Deg.C. The minimum and maximum relative humidity range between 55.0-69.0 and 94.0-98.0 %. South-Eastern winds blow at a speed of 2.0-4.0 kmph

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
1	BLACK GRAM (URD BEAN), GREEN GRAM (MOONG BEAN/ MOONG)	Sowing		Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER (For high altitude Regions)	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation		Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil.
			Leaf spot	Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR) (For high altitude Regions)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67

				kg MOP). Apply all doses of fertilizers at the time of sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.



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

**AAS BULLETIN FOR WEST KHASI
HILLS DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On: 11/08/2015			

Weather condition of last four days

St ati on Na me	Rainfall(mm)	Max Temprature (⁰ C)	Min Temprature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed(Km ph)	Wind Direction(deg)
-----------------------------	------------------	--	--	-----------------------------------	------------------------------------	------------------------------------	-------------------------	----------------------------

Weather forecast for next five days in WEST KHASI HILLS district

	Rainfall(mm)	Max Temperature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Km ph)	Wind Direction(deg)
12/0 8	16	25	17	5	92	57	4	152
13/0 8	16	26	17	5	93	62	4	152
14/0 8	18	25	17	5	92	60	4	153
15/0 8	33	25	17	6	96	62	4	171
16/0 8	25	25	17	7	96	76	4	189

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 17.0-17.0 and 25.0-26.0 Deg.C. The minimum and maximum relative humidity range between 57.0-76.0 and 92.0-96.0 %. Southern winds blow at a speed of 4.0-4.0 kmph

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
1	BLACK GRAM (URD), GREEN GRAM (MOONG MOONG)	Sowing		Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T-9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation	Leaf spot	Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8,

				TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the

				dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
--	--	--	--	---





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

**AAS BULLETIN FOR EAST GARO HILLS
DISTRICT**

**AMFU, AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On: 11/08/2015			

Weather condition of last four days

St ati on Na me	Rainfall(mm)	Max Tempreature (⁰ C)	Min Tempreature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed(Km ph)	Wind Direction(deg)
-----------------------------	------------------	---	---	-----------------------------------	------------------------------------	------------------------------------	-------------------------	----------------------------

Weather forecast for next five days in EAST GARO HILLS district

	Rainfall(mm)	Max Temperature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Km ph)	Wind Direction(deg)
12/0 8	19	35	24	5	93	58	5	168
13/0 8	14	34	25	5	94	60	6	168
14/0 8	17	34	24	5	93	59	6	167
15/0 8	26	33	24	7	96	61	6	189
16/0 8	15	33	25	7	95	73	6	201

Weather summary of the preceding week

Weather forecast valid

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
-------	------	---------------------	-------------------	-------------------

1	BLACK GRAM (URD BEAN) ,GREEN GRAM (MOONG BEAN/ MOONG)	Sowing		Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T-9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER (For high altitude regions)	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation	Leaf spot	Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR) (For high altitude regions)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP).

				Apply all doses of fertilizers at the time of sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with

				F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
--	--	--	--	---





Agro Advisory Bulletin – East Jaintia Hills **(Period 12th – 16th Aug, 2015)**

Weather forecast valid up to 16th Aug, 2015

There is possibility of light to moderate rain in the next five days. Sky may be generally cloudy with a maximum and minimum temperature of 28-30°C & 20°C respectively. The expected relative humidity will be 94-98% (maximum) & 55-62% (minimum). Wind direction will be 106-135 at a speed of 2-4 kmph during the next five days.

Weekly cumulative rainfall :104.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Main Crop/ Animal /Fisheries	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice	Vegetative stage		<ul style="list-style-type: none"> 1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
Groundnut (Lower altitude regions)	Flowering to pod formation stage	Leaf spot	<ul style="list-style-type: none"> Avoid water logging in the field. Remove excess water and maintain proper drainage facilities. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
		Aphid/ Leaf miner	<ul style="list-style-type: none"> For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
			<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Soyabean (Lower altitude regions)	Flowering		<ul style="list-style-type: none"> Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
Pigeon Pea/ Red Gram (Lower altitude regions)	Sowing to vegetative stage		<ul style="list-style-type: none"> Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
Green Gram/ Black Gram (Lower altitude regions)	Sowing		<ul style="list-style-type: none"> Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T- 9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
French Bean	Sowing		<ul style="list-style-type: none"> Start sowing of French bean var. Naga Local after

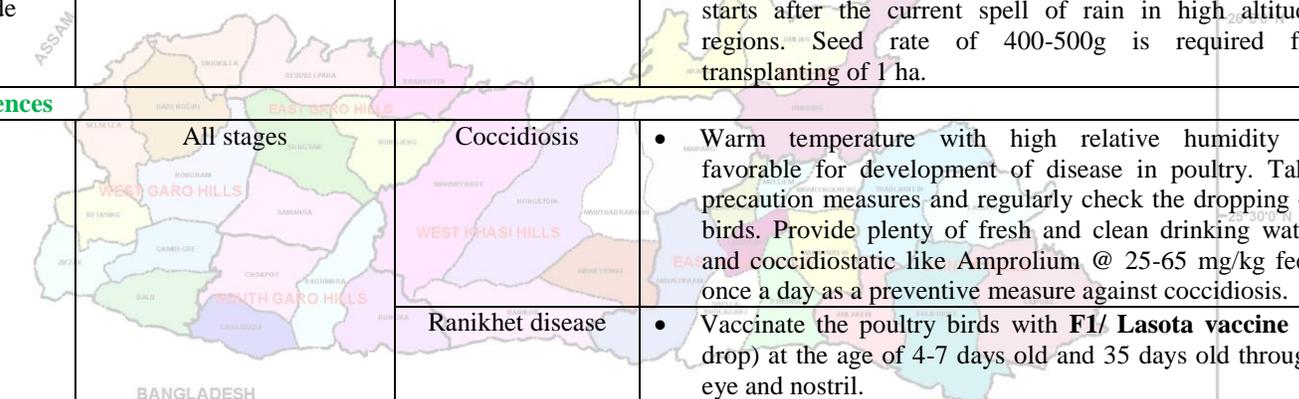


GRAMIN KRISHI MAUSAM SEWA
ICAR Research Complex for NEH Region
Umroi Road, Umiam – 793 103 Meghalaya

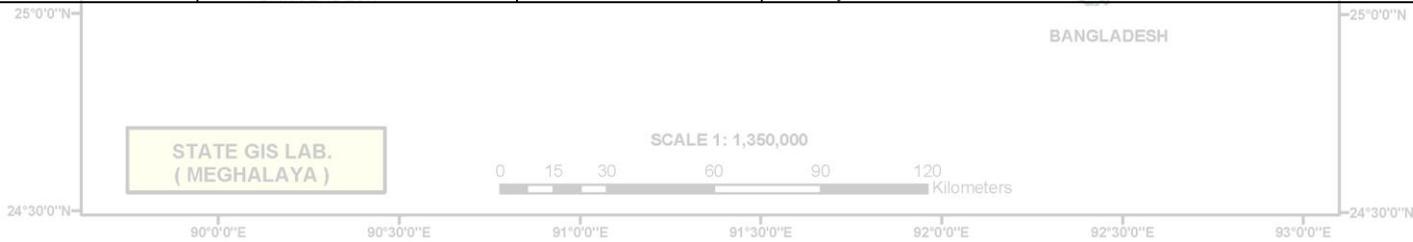


☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: iaasbarapani@yahoo.in

			harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
Ginger/ turmeric	Rhizome initiation stage		<ul style="list-style-type: none"> Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
	Leaf Spot		<ul style="list-style-type: none"> To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
Rhizome rot (ginger)			<ul style="list-style-type: none"> Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
Pea (High altitude regions)	Sowing		<ul style="list-style-type: none"> Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8, TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK – 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
Cauliflower (High altitude regions)	Nursery preparation		<ul style="list-style-type: none"> Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
Animal Sciences			
Poultry	All stages	Coccidiosis	<ul style="list-style-type: none"> Warm temperature with high relative humidity is favorable for development of disease in poultry. Take precaution measures and regularly check the dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	<ul style="list-style-type: none"> Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.



STATE GIS LAB.
(MEGHALAYA)





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

**AAS BULLETIN FOR EAST KHASI HILLS
DISTRICT**

**AMFU,AGRICULTURAL RESEARCH
STATION**



Bulletin No:	0076/2015/2797	Period:	11/08/2015 to 15/08/2015
Issued On:11/08/2015			

Weather condition of last four days

St ati on Na me	Rainfall(mm)	Max Temprature (⁰ C)	Min Temprature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity (%)	Min Relative Humidity (%)	Wind Speed(Km ph)	Wind Direction(deg)
-----------------------------	------------------	--	--	-----------------------------------	------------------------------------	------------------------------------	-------------------------	----------------------------

Weather forecast for next five days in EAST KHASI HILLS district

	Rainfall(mm)	Max Temperature (⁰ C)	Min Temperature (⁰ C)	Total cloud cover(oc ta)	Max Relative Humidity(%)	Min Relative Humidity(%)	Wind Speed(Km ph)	Wind Direction(deg)
12/0 8	17	25	18	6	91	57	2	95
13/0 8	18	23	18	5	92	65	4	92
14/0 8	20	24	18	5	93	61	4	96
15/0 8	46	23	18	6	96	64	4	111
16/0 8	39	22	18	7	98	72	4	144

Weather
summary of the
preceding week

Weather forecast valid

Moderate to rather heavy rains may occur.Next week,the minimum and maximum temperature range between18.0-18.0 and 22.0-25.0 Deg.C.The minimum and maximum relative humidity range between 57.0-72.0 and 91.0-98.0 %.South-Eastern winds blow at a speed of2.0-4.0 kmph

General Advisory

Start sowing of pea, cauliflower (in high altitude regions), french bean and green/ black gram. Provide drainage system properly to remove excess water from the field. Undertake 1st hand weeding at 20-25 DAT followed by top dressing of Urea @44Kg/ha in rice.

Crop Advisory

S.NO.	Crop	Stage /Condition	Pest/ Diseases	Agro-Met Advisory
1	BLACK GRAM (URD), GREEN GRAM (MOONG MOONG)	Sowing		Continue sowing of green/ black gram. Land should be leveled properly and provide adequate drainage to prevent water logging. Varieties like Pant U 19, T-9 Azad urd 1 and green gram varieties like K 851, PDM 11, Pusa Vishal are suitable for this region and sowing should be done by maintaining a spacing of 30-35cm *10cm and seed rate of 12-15 kg/ha.
2	CAULIFLOWER (For High altitude regions)	Nursery Preparation		Start preparing of raised nursery bed of cauliflower (var. like Meghalaya Local) in temporary rain shed structure or starts after the current spell of rain in high altitude regions. Seed rate of 400-500g is required for transplanting of 1 ha.
3	GROUNDNUT (PEANUT/MUNG PHALLI)	Flowering to Pod Formation	Leaf spot	Make proper drainage facilities to remove excess water from the field. Farmers can perform one hand weeding at 30-35DAS (i.e. flower initiation stage) followed by earthing up to promote easy penetration of pegs into soil. Warm weather with intermittent rain is congenial for the development of leaf spot in groundnut. Spray carbendazim (0.05%) + mancozeb (0.2%) at 2-3 weeks intervals after the current spell of rain if dark spots are seen on the leaf.
			Aphid/ Leaf miner	For control of major insect pests spray phosphamidon 100 EC @ 0.5 ml/ litre of water.
4	PADDY (DHAN)	Vegetative Growth		1st hand weeding may be done at 20-25 DAT followed by top dressing of Urea @44Kg/ha. Due to continuous rain in the last days, farmers are advised to check the water level and released excess water maintaining a water level of 3-5 cm.
5	PEAS (FIELD PEAS/ GARDEN PEAS/MATAR)	Sowing		Start sowing of pea in high altitude after the current spell of rain. Recommended var. are Arkel (for vegetables), TRC P8,

	(For High altitude regions)			TRC P9, Prakash, Rachna. Maintain a seed rate of 60 kg is required for 1 ha at a spacing of 20-25 cm between rows & 3-5 cm plant to plant. Apply recommended dose of fertilizer, NPK - 20:60:40 kg/ha (44kg Urea, 375 kg SSP & 67 kg MOP). Apply all doses of fertilizers at the time of sowing.
6	PIGEON PEA (RED GRAM/ARHAR)	Sowing to Vegetative Growth		Sowing of red gram var. UPAS-120, ICPL 87 (short duration), WB 20, Pusa 9 & Sarita (long duration) may be continue. Maintain 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). Apply starter dose of 10-15 kg N, 40-50kg P and 20kg S per ha at the time of sowing. Make drainage properly for draining of excess water from the field.
7	SOYBEAN (BHAT)	Flowering		Maintain proper drainage system to avoid water logging in the field and undertake regular weeding.
8	TURMERIC ,GINGER	Vegetative Growth		Remove excess water and maintain proper drainage facilities in the field. Undertake weeding and 2nd top dressing of urea @ 81 kg/ha and MOP@ 42 kg/ha at 90 DAS followed by earthing up.
			Leaf Spot	To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5weeks of sowing or Captan @ 1.5 g/l of water.
			Rhizome rot (ginger)	Spray/ drench 1% Bordeaux mixture or Dithane M-45 (2.5g/l) to prevent rhizome rot.
9	French Bean	Sowing		Start sowing of French bean var. Naga Local after harvesting of maize crop. Maintain a seed rate of 20-25kg/ha and spacing of 45 cm row to row & 15-20 cm plant to plant. Apply urea @ 65kg/ha, SSP @ 375kg/ha SSP & MOP @ 66.8kg/ha at the time of sowing.
10	Poultry			Warm temperature with high relative humidity is favourable for development of disease in poultry. Take precaution measures and regularly check the

				dropping of birds. Provide plenty of fresh and clean drinking water and coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis. For Ranikhet disease: Vaccinate the poultry birds with F1/ Lasota vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
--	--	--	--	---

