

## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

92°30'0"E

2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – WEST GARO HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 83.0mm for the next five days. Maximum Temp: 27-28°C, Minimum Temp: 18-19°C, Cloud cover: sky will be mainly cloudy i.e. 2-6 Okta, Maximum RH: 92-94%, Minimum RH: 60-68%, Wind speed: 11-14 Kmph, Wind direction: 70-76 Degree.

Weekly cumulative rainfall: 83.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E

Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries **Boro Rice** Grain filling Rice Gundhi bug/ Spray Malathion 5% dust @ 6.25kg/ha for Rice Gandhi stem borer bug and Chloropyriphos @0.02% or Monocrotophos @ 0.04% for stem borer. Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after 20-25 DAS. Tuber initiation **Potato** Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut worms in potato. (For high altitude BANGLAD Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before SCALE 1: 1,350,0 High & Mid altitude sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one 91°0'0"E 91°30'0' seedling per hill. **Brinjal** Nursery preparation to Start transplanting of brinjal seedlings. Prepare ridges and furrows at a spacing of 60 cm. Apply 25t/ha FYM transplanting during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids.





m 4	NY		
Tomato	Nursery raising		• Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake.
			Seed treatment
			Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid damping off disease.
			<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> </ul>
	C	& RD BLOCK MAP OF	• After sowing, mulch with green leaves and irrigate with
	90°0'0'E 90°30'0''E	91°0'0"E 91°30'0"	a rose-can daily in the morning. Remove the mulch
D (1) G 1			immediately after germination of the seeds.
Bottle Gourd	Sowing to emergence		Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd & apply 15-20kgs well rotten FYM in each pit.
			• Sow 2-3 seeds of bottle gourd varieties like Pusa
			Summer, Prolific Long, Prolific Round, Pusa Meghdoot,
	ASSAM		Pusa Hybrid 2, etc to be planted in each pit.
			Mulching with locally available materials like straw,
26°0'0"N-			grasses may be done to reduce evaporation loses.
Ash Gourd	Sowing to emergence	Land &	Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size
	emergence	The street of th	60cm x 60cm. Sowing of 2-3 seed may be sown in each
	SELECTIVE SOURCE LINES	7	pit.
Khasi Mandarin	ROBGRAM CONCESS	1 1 1	During Feb/ March month apply lime @ 2-3 kg/tree in
25°30'0''N-	CARELOGE CARELOGE	WEST KHASI HILLS	<ul> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> </ul>
	BANGLADESH	EARTON CO.	Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.
Animal Sciences	DANGLADEON		-25°0'0"N
Poultry	All stages		As the day temperature has increased keep the poultry
			house well ventilated during day time.
			Provide vitamin B complex @ 7ml/litre in drinking
	TATE GIS LAB.	SCALE 1: 1,350,0	water daily in broner for healthy growth.
	MEGHALAYA)	10.00.00	Litter should be changed periodically and provide clean
24°30'0"N-	90°30°0"E 90°30°0"E	91°0'0"E 91°30'0"	drinking water and changed the water every day.     Diseased and dead birds should be immediately removed.
			Regularly inspect the drooping of the poultry birds for any diseases symptom.
		Coccidiosis	Provide plenty of fresh and clean drinking water.
			Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg
			feed once a day as a preventive measure against
		David Late P	coccidiosis.
		Ranikhet disease	• Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1
			drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		Keep the pig stay/shed dry and clean and avoid
- 16601 J	All stages		dampness during rainy season.



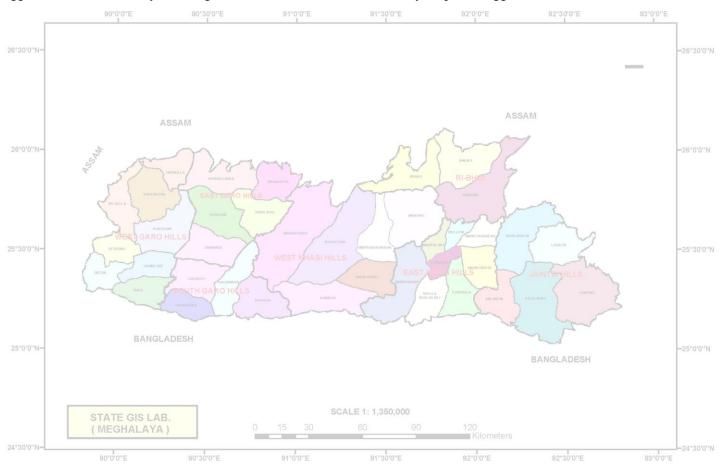
## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



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			<ul> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
		Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

seed or carbendazim 2g/Kg seed to avoid damping off

disease.

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RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – WEST JAINTIA HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 50.0mm for the next five days. Maximum Temp: 25-26°C, Minimum Temp: 17-18°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 89-98%, Minimum RH: 59-70%, Wind speed: 4-5 Kmph, Wind direction: 58-94 Degree.

Weekly cumulative rainfall: 50.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E 92°30'0''E Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after Tuber initiation Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut Potato"N (For high altitude worms in potato. Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ BANGLAD Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before High & Mid altitude sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. Start transplanting of brinjal seedlings. Prepare ridges Nursery preparation to Brinjal transplanting and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids. **Tomato** Nursery raising Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake. **Seed treatment** Seeds should be treated with Tricoderma @ 5-10 g/Kg





Bottle Gourd	Sowing to		<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> <li>After sowing, mulch with green leaves and irrigate with a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.</li> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of</li> </ul>
90°0'0	emergence	& RD BLOCK MAP OF I	<ul> <li>bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot,</li> </ul>
Ash Gourd	Sowing to emergence		• Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin	ASSAM  HESTIGLIA  EAST TORRO HIAS  MONOTER  MONO	The Walter of the Control of the Con	<ul> <li>During Feb/ March month apply lime @ 2-3 kg/tree in alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> <li>Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.</li> </ul>
Animal Sciences	CARO HILLS	S mesecons	MALLIAN STREET, STREET
25°0'0"N-	All stages  CAMBICOR  CHOSTOT	WEST INHASI HILLS	<ul> <li>As the day temperature has increased keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be changed periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the drooping of the poultry birds for any diseases symptom.</li> </ul>
( MEGI-	GIS LAB. ALAYA)	Coccidiosis SCALE 1: 1,350,0 15 30 60	<ul> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
90°0°0″1	90°30°0″E	Ranikhet disease	Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul> <li>Keep the pig stay/shed dry and clean and avoid dampness during rainy season.</li> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
	1	01: : :	- · · · · · · · · · · · · · · · · · · ·
Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i></li> </ul>



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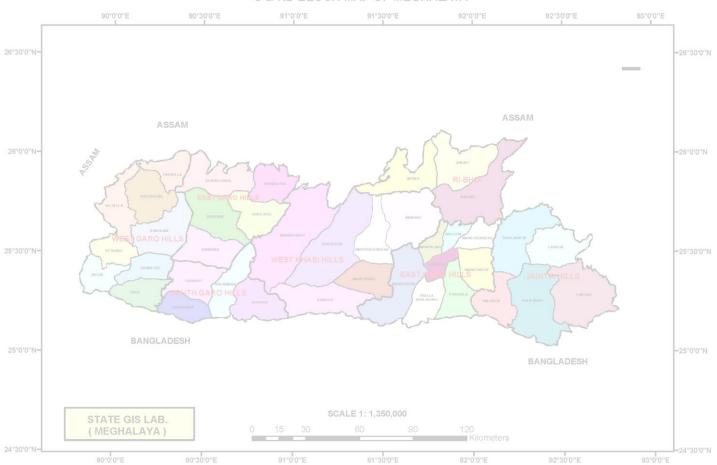


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		cotton strain-19 @ 5ml subcutaneous on the neck
	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
	Quarter	

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

#### C & RD BLOCK MAP OF MEGHALAYA





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seed or carbendazim 2g/Kg seed to avoid damping off

disease.

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RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – WEST KHASI HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 69.0mm for the next five days. Maximum Temp: 27-28°C, Minimum Temp: 16-17°C, Cloud cover: sky will be mainly cloudy i.e. 2-6 Okta, Maximum RH: 91-97%, Minimum RH: 58-75%, Wind speed: 6-9 Kmph, Wind direction: 62-70Degree.

Weekly cumulative rainfall: 69.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E 92°30'0"E Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after Tuber initiation Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut Potato"N (For high altitude worms in potato. Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ BANGLAD Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before High & Mid altitude sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. Nursery preparation to Start transplanting of brinial seedlings. Prepare ridges Brinjal transplanting and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids. **Tomato** Nursery raising Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake. **Seed treatment** Seeds should be treated with Tricoderma @ 5-10 g/Kg





Bottle Gourd	Sowing to		<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> <li>After sowing, mulch with green leaves and irrigate with a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.</li> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of</li> </ul>
90°0'0	emergence	& RD BLOCK MAP OF I	<ul> <li>bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot,</li> </ul>
Ash Gourd	Sowing to emergence		• Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin	ASSAM  HERRILLA  HERRICLINGA  EAST CORRO HIAS  MONGER  MONGER	The Walter of the Control of the Con	<ul> <li>During Feb/ March month apply lime @ 2-3 kg/tree in alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> <li>Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.</li> </ul>
Animal Sciences	ROBGRAM  ROBGRAM	S mesecons	MALLIAN STREET, STREET
25°0'0"N-	All stages  CAMILORE  CHOSEOUT PARTHUMANA  THE GARO HILLS  ROUGH	WEST INHASI HILLS  RAIROR  RAIROR	<ul> <li>As the day temperature has increased keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be changed periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the drooping of the poultry birds for any diseases symptom.</li> </ul>
( MEGF	GIS LAB. ALAYA)	Coccidiosis SCALE 1: 1,350,0 15 30 60	<ul> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
90°0°0″!	90°30′0′′E	Ranikhet disease	Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul> <li>Keep the pig stay/shed dry and clean and avoid dampness during rainy season.</li> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> <li>Vaccinate 6-9 months old calves with <i>Brucella abortus</i></li> </ul>



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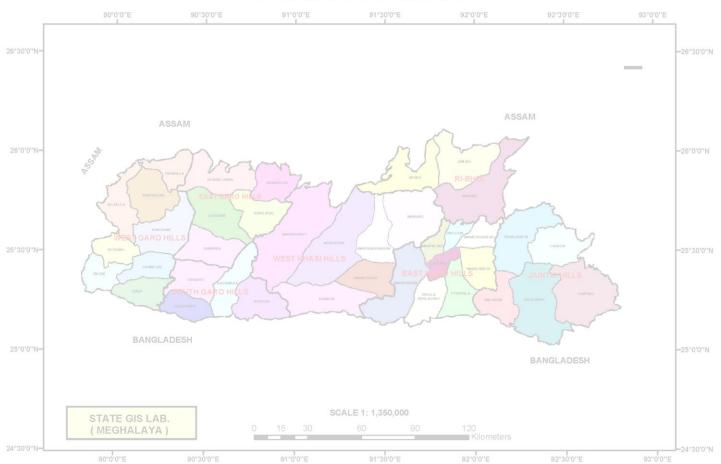


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		cotton strain-19 @ 5ml subcutaneous on the neck
	Foot & Mouth Disease, Haemorrhagic	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
	Septicaemia, Black Quarter	

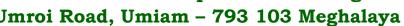
Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

#### C & RD BLOCK MAP OF MEGHALAYA





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RC (AE)/30/2011/Bulletin/April'2016/07

## **Agro Advisory Bulletin - East Garo Hills** (Period 23th - 27th April, 2016)

#### Weather summery of the past five days

### Weather forecast valid up to 27<sup>th</sup> April, 2016

Sky was partly cloudy with 40.0mm rainfall. Maximum temperatures ranged between 28-30°C and minimum ranged between 22-23.0°C. Relative humidity was 93-96% in morning and 70-75% in evening. Wind speed ranged between 11-12kmph.

The possibility of Rainfall is 73.0mm for the next five days. Maximum Temp: 29-30°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 2-6 Okta, Maximum RH: 92-96%, Minimum RH: 59-75%, Wind speed: 8-11Kmph, Wind direction: 63-72Degree.

91°0'0"E Weekly cumulative rainfall: 73.0mm 26°30'0"N= -26°30'0"N Agro meteorological Advisories for coming 5 days Main Crop/ Animal Stage Pest/Diseases **Agricultural Advisories** /Fisheries Boro Rice Grain filling Rice Gundhi bug/ stem Spray Malathion 5% dust @ 6.25kg/ha for borer Rice Gandhi bug and Chloropyriphos @0.02% or Monocrotophos @ 0.04% for stem borer. Jhum Rice Land preparation Undertake sowing of Jhum rice var. like to Sowing Bhalum 1, 2, 3; IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after 20-25 DAS. Tuber initiation Potato Spray chlorpyriphos 20 EC @ 1ml/litre for (For high altitude control of cut worms in potato. BANGLADESH Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim STATE GIS LAB. Emergence 50% WP @ 2g/ kg or Captan 50% WP @ (AYA High & Mid altitude 2.5g/Kg of seed before sowing to protect Region from diseases.2300 Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. **Brinjal** Nursery preparation to Start transplanting of brinjal seedlings. transplanting Prepare ridges and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids.





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Tomato	Nursery raising		<ul> <li>Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P &amp; K fertiliser, &amp; also apply 2.5g carbofuran or 200 g of neem cake.</li> <li>Seed treatment</li> </ul>
			• Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid damping off disease.
			• Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½
	C & R	D BLOCK MAP OF MEGHAL	cm depth and then covered by the topsoil. Seed rate: 400 - 500 g/ha seeds are required
90°0'0'E	90°30'0"E 9	°0'0"E 91°30'0"E	• After sowing, mulch with green leaves and
26°30'0''N-			irrigate with a rose-can daily in the morning.  Remove the mulch immediately after germination of the seeds.
<b>Bottle Gourd</b>	Sowing to emergence		Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd & apply 15-20kgs well rotten FYM in each pit.
	ASSAM		• Sow 2-3 seeds of bottle gourd varieties like
26°0'0"N-	MANAGE AND THE STATE OF THE STA		Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.
508	BABENGORII FA STITURO HILLS	fred Kinney	Mulching with locally available materials like
MINITA	SONG SAM MONO, SING	MADERIC	straw, grasses may be done to reduce evaporation loses.
Ash Gourd 25°30'0"N-	daro HILLS Sowing to emergence we	ST ISHASI HILLS  REVOLUTION TO THE PROPERTY OF A PARTY	Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin	CASSIRMATA BOMORA	NAMINOR BHOLAGANJ	• During Feb/ March month apply lime @ 2-3
25°0'0''N <b>~</b>	BANGLADESH	The house	<ul> <li>kg/tree in alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> </ul>
			Undertake spraying of Bavistin (1g/l) +     Monocrotophos (1ml/l)+ Zn sulphate
		SCALE 1: 1,350,000	(0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes
STATE G (MEGHA			during March/ April in Khasi Mandarin.
Animal Sciences			Kilometers 1  -24°30'0"N
Poultry 90°0'0"E	°All stages	10'0"E 91°30'0"E	As the day temperature has increased keep the poultry house well ventilated during day time.
			<ul> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> </ul>
			Litter should be changed periodically and provide clean drinking water and changed the
			<ul><li>water every day.</li><li>Diseased and dead birds should be immediately removed.</li></ul>
			Regularly inspect the drooping of the poultry birds for any diseases symptom.



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			T	
			Coccidiosis	Provide plenty of fresh and clean drinking
				water.
				Provide coccidiostatic like Amprolium @
				25-65 mg/kg feed once a day as a preventive
			Ranikhet disease	measure against coccidiosis.
			Rankhet disease	• Vaccinate the poultry birds with <b>F1/ Lasota</b> vaccine (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery		All stages		Keep the pig stay/shed dry and clean and avoid dampness during rainy season.
				Repair the roof of pig stay to protect from
				rain.
				• Vaccinate all newly born piglets against
		C & R	D BLOCK MAP OF MEGHAL	
	90°0'0"E	90°30'0"E 9	°0'0"E 91°30'0"E	by annual booster dose.
				• In epidemic areas, vaccinate 6 months old
26°30'0''N=			C1 C	pigs with FMD vaccine once in a year.
			Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle &	Buffaloes	6-9 months calves	Brucellosis	Vaccinate 6-9 months old calves with
Cattle &	Duitaloes	o y months curves	Bracenosis	Brucella abortus cotton strain-19 @ 5ml
		ASSAM		subcutaneous on the neck
		71307111	Foot & Mouth Disease,	• Undertake regular immunization of cattle &
26°0'0''N-	· W		Haemorrhagic ()	buffaloes against Foot & Mouth disease,
	Ego Endage	STREETED TO THE STREET	Septicaemia, Black	Haemorrhagic septicaemia & Black Quarter.
		RESUMELIMARA REALIZATION OF THE PROPERTY OF TH	Quarter	NI-BOOL
Sugges	tion: Contact nea	irby State Agril. Staff or l	KVK staff for necessary he	lp and suggestion.
				3
	3 8	NONCHAM SONGEAN	MARAG	may a franch
	Mask	ROBERAM SCHOOL AM SCHOOL A	MODESTON MODESTON	MILLION DESCRIPTION OF TRADLASSED BY LASKED
25°30'0''N-	RETAING STATES	DOMOGRAM  SONGEAM  SARO HILLS  COMMUNIA  WES	MOUSTREE MOUSTREE MOUTHABLEADILE MOUTHABLEADILE MOUTHABLE ABBREVITA AND	MOLLEM SECURIFICATE DE BASILAGET BI LAGRETH  -25"30"0"N
25°30'0"N=	OF TANANG PARTY OF THE PARTY OF	STRECES STRECES IN STRECES IN STRECES IN STRECES IN STRECES IN STREET	MONTHAU MONTHAU RABHAU AMANTHAU RABHAU AMANTHAU RABHAU RAB	MATLES MANUFACER BY WARLANT W LANKIN -25°30'0"N
25°30'0"N=	BY TAGING	SONGEAM SARO HILLS CAMADIA  CAMADIA  CHORTOT  CH	NOTIFIED INCOMESTIVE AND THAT IS AND THE ADDRESS OF	MULTIN MONTHOUT BY TRADICAME BY  LAMETH  LAMETH  LAMETH  LAMETH  VAPORELY  VARORELY  VARORELY  VARORELY  VARORELY  VARORELY  VARORELY  VARORELY  VARORELY  V
25°30'0"N−	OF IASSOCIATE STATE OF THE STAT	CAMBICAL WES	EAST MINISTER EAST	MOLITING THOCHERO TRADICABLE IN LABRETH LABORTH LABORTH TAPPING.
25°30′0′′N <b>-</b>	OF IASSOCIATE	CAMBICOSE  CHOSTOT  PACINAMA  COMMITTE GARONIA	EAST MINISTER EAST	MILIES MANUFACHERO BARLAMEN LASKIN -25°30'0"N  HILLS FYNUSSIA ANA MEN RULEIDIRI. SAPURE
25°30'0''N-	OF TASING SEAL OF TAS	CAMBICAL WES	EAST MINISTER EAST	PENTITION AND AND AND AND AND AND AND AND AND AN
	BY IAGUS	CAMBICOSE  CHOSTOT  PACINAMA  COMMITTE GARONIA	EAST MINISTER EAST	PROJECT PROJECT OF TRADLANDED BY LASKING TO THE LAS
	OF IASSOCIATE STATES OF THE ST	CAMBICOSE  CHOSTOT  PACINAMA  COMMITTE GARONIA	EAST MINISTER EAST	HILLS FYNUESLA ARABEH ERRIFERT  EAPTON  -25°0'0"N
	OF TANISH	CAMBICOSE  CHOSTOT  PACINAMA  COMMITTE GARONIA	EAST MINISTER EAST	HILLS FYNUESLA ARABEH ERRIFERT  EAPTON  -25°0'0"N
	BETATE GIS	CAMBIC CHECKET THE CHECKET AND	EAST MINISTER EAST	HILLS FYNUESLA ARABEH ERRIFERT  EAPTON  -25°0'0"N

91°0'0"E

91°30'0"E

92°0'0"E

90°0'0"E



## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

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

RC (AE)/30/2011/ Bulletin/April'2016/07

## **Agro Advisory Bulletin – EAST JAINTIA HILLS** (Period 23th - 27th April, 2016)

## Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 82.0mm for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 3-60kta, Maximum RH: 90-98%, Minimum RH: 65-82%, Wind speed: 3-5 Kmph, Wind direction: 60-134 Degree.

Weekly cumulative rainfall: 82.0mm

	A	gro meteorolo	gical Advisor	ries for coming 5 days
	n Crop/ /Fisheries	Stage ASSAM	Pest/Diseases	Agricultural Advisories
Jhum Ric 25°30'0"N=	CE STATE OF TAXABLE OF	Land preparation to Sowing  BAST MARK HOLES  Tuber initiation (For high altitude Region)	MARCHTURUT INDUCTION AND THAT INDUCTION OF THE PROPERTY OF THE	<ul> <li>Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; IRAT 109, IR 50, etc</li> <li>Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack.</li> <li>Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after 20-25 DAS.</li> <li>Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut worms in potato.</li> <li>Cover the soil with locally available biomass like straw,</li> </ul>
25°0'0"N		BANGLADESH	- Sanda	grasses, etc for in situ moisture conservation.
Maize High & Region		Sowing to Emergence	SCALE 1: 1,350,0	by thinning at 10 days after germination & retaining one
Brinjal	( MEGI	Nursery preparation to transplanting	91°00"E 91°30'0"	<ul> <li>seedling per hill.</li> <li>Start transplanting of brinjal seedlings. Prepare ridges and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation.</li> <li>Transplant 30-35 days old seedlings at 60 cm apart on</li> </ul>
Tomato		Nursery raising		<ul> <li>the ridges maintaining a spacing of 60 x 60 cm (Varieties) &amp; 90 x 60 cm Hybrids.</li> <li>Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P &amp; K fertiliser, &amp; also apply 2.5g carbofuran or 200 g of neem cake.</li> </ul>
				Seed treatment  • Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid damping off





	T		1.
			<ul> <li>disease.</li> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> <li>After sowing, mulch with green leaves and irrigate with a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.</li> </ul>
<b>Bottle Gourd</b>	Sowing to		• Prepare pits of size 60cm x 60cm x 60cm for sowing of
	emergence		bottle gourd & apply 15-20kgs well rotten FYM in each
90°0'0'	E 90°30'0''E	RD BLOCK MAP OF I 91°0'0"E 91°30'0"	<ul> <li>pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> <li>Mulching with locally available materials like straw,</li> </ul>
30 00	30 30 1	37001	grasses may be done to reduce evaporation loses.
Ash Gourd	Sowing to emergence		• Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin			• During Feb/ March month apply lime @ 2-3 kg/tree in
	ASSAM		alternate year. ASSAM
			• Apply 350g Urea, 450g SSP & 200g MOP per tree and
26°0'0"N-			FYM @ 15-20 kg/tree26°00"N
2 5	THEFTEL / VICTOR	Wy &	• Undertake spraying of Bavistin (1g/l) + Monocrotophos
[ Table 1	NENDBELMAN	CARRETTA LES	(1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu
SELSELLA	EAST GARO HIGES	ng by	sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes
Animal Sciences	SONGEAR SONGE		during March/ April in Khasi Mandarin.
Poultry Poultry	All stages	MONOSTON NONCSTON	As the day temperature has increased keep the poultry
F Out II'y N	All stages	WEST KHASI HILLS	house well ventilated during day time.
2002 ANI	CHONFOT	maximi }	Provide vitamin B complex @ 7ml/litre in drinking
2	DALII GARO HILLS		water daily in broiler for healthy growth.
	ESSUADADA BORORI	3	• Litter should be changed periodically and provide clean
			drinking water and changed the water every day.
2500000	BANGLADESH		Diseased and dead birds should be immediately
25°0'0"N-			removed. BANGLADESH
			Regularly inspect the drooping of the poultry birds for
			any diseases symptom.
CTATE	GIS LAB.	Coccidiosis	Provide plenty of fresh and clean drinking water.
	ALAYA)	15 30 60	• Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg
24°30′0"N-			feed once a day as a preventive measure against
90°0'0"E	90°30'0"E	Ranikhet disease	coccidiosis.  • Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1
		Kanikhet disease	drop) at the age of 4-7 days old and 35 days old through
			eye and nostril.
Piggery	All stages		Keep the pig stay/shed dry and clean and avoid
			dampness during rainy season.
			Repair the roof of pig stay to protect from rain.
			=
			• Vaccinate all newly born piglets against swine fever at
			the age of 3 months followed by annual booster dose.
			<ul><li>the age of 3 months followed by annual booster dose.</li><li>In epidemic areas, vaccinate 6 months old pigs with</li></ul>
			<ul> <li>the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
Cattle & Buffaloes	6-9 months calves	Skin infection Brucellosis	<ul><li>the age of 3 months followed by annual booster dose.</li><li>In epidemic areas, vaccinate 6 months old pigs with</li></ul>



## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya

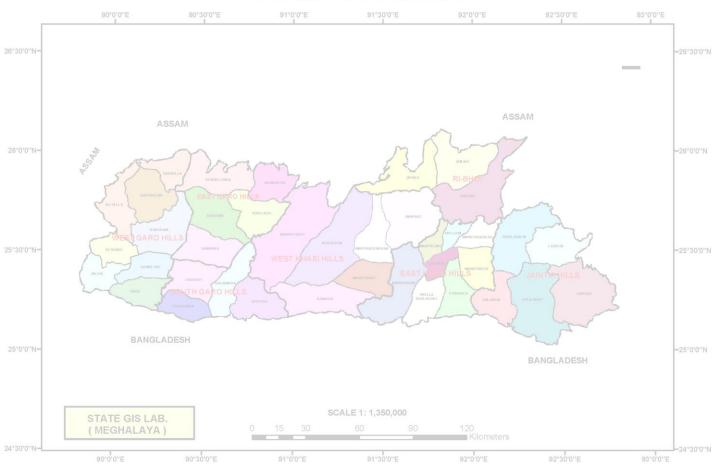


☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

		cotton strain-19 @ 5ml subcutaneous on the neck
	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
	Quarter	

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

#### C & RD BLOCK MAP OF MEGHALAYA





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

seed or carbendazim 2g/Kg seed to avoid damping off

disease.

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RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – EAST KHASI HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 70.0mm for the next five days. Maximum Temp: 27-29°C, Minimum Temp: 17-18°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 87-97%, Minimum RH: 61-76%, Wind speed: 6-7 Kmph, Wind direction: 56-63 Degree.

Weekly cumulative rainfall: 70.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E 92°30'0''E Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after Tuber initiation Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut Potato"N (For high altitude worms in potato. Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ BANGLAD Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before High & Mid altitude sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. Nursery preparation to Start transplanting of brinial seedlings. Prepare ridges Brinjal transplanting and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids. **Tomato** Nursery raising Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake. **Seed treatment** Seeds should be treated with Tricoderma @ 5-10 g/Kg





Bottle Gourd	Sowing to		<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> <li>After sowing, mulch with green leaves and irrigate with a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.</li> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of</li> </ul>
90"0"0	emergence	\$ RD BLOCK MAP OF I	<ul> <li>bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot,</li> </ul>
Ash Gourd	Sowing to emergence		• Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin	ASSAM  THEORETA A  PLANETHING HIS  SOUGHAN MONG H	The Walter of the Control of the Con	<ul> <li>During Feb/ March month apply lime @ 2-3 kg/tree in alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> <li>Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.</li> </ul>
Animal Sciences	CARO HILLS	S MINISTERIOR S S S S S S S S S S S S S S S S S S S	MOLIUM STATE OF THE STATE OF TH
Poultry N-	All stages  CAMELORE  CHOSTOT  CHOSTOT	WEST INHASI HILLS	<ul> <li>As the day temperature has increased keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be changed periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the drooping of the poultry birds for any diseases symptom.</li> </ul>
( MEGF	GIS LAB. ALAYA)	Coccidiosis scale 1: 1,350,0 15 30 60	Provide plenty of fresh and clean drinking water. Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
90°0'0″E	90"3ô"0"E	Ranikhet disease	Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul> <li>Keep the pig stay/shed dry and clean and avoid dampness during rainy season.</li> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
		Skin infection	• Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old calves with <i>Brucella abortus</i>



## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya

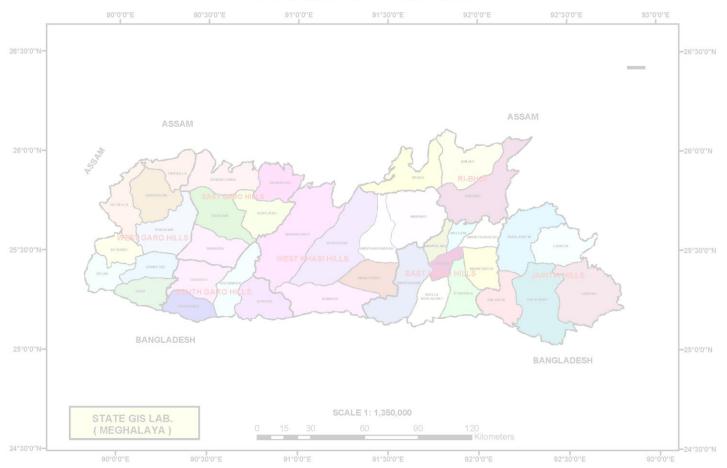


☎: Telephone No. : 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

		cotton strain-19 @ 5ml subcutaneous on the neck
	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Ouarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

#### C & RD BLOCK MAP OF MEGHALAYA





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

92°30'0"E

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

RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – NORTH GARO HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 64.0mm for the next five days. Maximum Temp: 28-29°C, Minimum Temp: 18-19°C, Cloud cover: sky will be mainly cloudy i.e. 2-6 Okta, Maximum RH: 92-97%, Minimum RH: 56-77%, Wind speed: 6-9Kmph, Wind direction: 54-64Degree.

Weekly cumulative rainfall: 64.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E

Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries **Boro Rice** Grain filling Rice Gundhi bug/ Spray Malathion 5% dust @ 6.25kg/ha for Rice Gandhi stem borer bug and Chloropyriphos @0.02% or Monocrotophos @ 0.04% for stem borer. Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after Tuber initiation **Potato** Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut worms in potato. (For high altitude BANGLAD Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before SCALE 1: 1,350,0 High & Mid altitude sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one 91°0'0"E 91°30'0' seedling per hill. **Brinjal** Nursery preparation to Start transplanting of brinjal seedlings. Prepare ridges and furrows at a spacing of 60 cm. Apply 25t/ha FYM transplanting during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids.





m .		<u> </u>	
Tomato	Nursery raising		• Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake.
			Seed treatment
			Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid damping off disease.
			<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> </ul>
	C	& RD BLOCK MAP OF	• After sowing, mulch with green leaves and irrigate with
90	90°30'0"E 90°30'0"E	91°0'0"E 91°30'0"	a rose-can daily in the morning. Remove the mulch
			immediately after germination of the seeds.
Bottle Gourd	Sowing to emergence		Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd & apply 15-20kgs well rotten FYM in each pit.
			Sow 2-3 seeds of bottle gourd varieties like Pusa
			Summer, Prolific Long, Prolific Round, Pusa Meghdoot,
	ASSAM		Pusa Hybrid 2, etc to be planted in each pit.
			Mulching with locally available materials like straw,
26°0'0"N-	a la		grasses may be done to reduce evaporation loses.
Ash Gourd	Sowing to emergence	The de	Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size
I I	DADENGORII ES CONTRO MILLES	The state of the s	60cm x 60cm. Sowing of 2-3 seed may be sown in each
C.	EISELIA BONG.	7	pit.
Khasi Mandarin	NOBGRAM SUNGSAN		During Feb/ March month apply lime @ 2-3 kg/tree in
25°30'0"N-	CAMMICGE  CAMMICGE	WEST KHASI HILLS	<ul> <li>alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> </ul>
	DALU DON'TH GARO HILLS	PARIOR PARIOR	• Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes
	BANGLADESH		during March/ April in Khasi Mandarin.
Animal Sciences	DAMOLADIO		-25°0'0"N
Poultry	All stages		As the day temperature has increased keep the poultry
			house well ventilated during day time.
		SCALE 1: 1,350,0	Provide vitamin B complex @ 7ml/litre in drinking
	TE GIS LAB.	15 30 60	water daily in broner for healthy growth.
24°30'0"N-	STALATA)		Litter should be changed periodically and provide clean drinking water and changed the water every day.
90°0	0°30'0"E	91°0'0"E 91°30'0"	Diseased and dead birds should be immediately removed.
			Regularly inspect the drooping of the poultry birds for any diseases symptom.
		Coccidiosis	Provide plenty of fresh and clean drinking water.
			Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg
			feed once a day as a preventive measure against coccidiosis.
		Ranikhet disease	Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1)
		ramknet disease	drop) at the age of 4-7 days old and 35 days old through
			eye and nostril.
Piggery	All stages		Keep the pig stay/shed dry and clean and avoid
			dampness during rainy season.



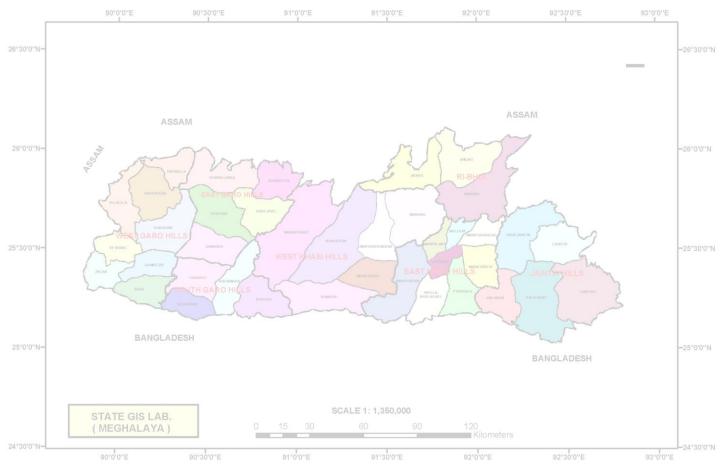
## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



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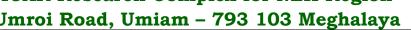
		Skin infection	<ul> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
Cattle & Buffaloes	6-9 months calves	Brucellosis	Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya





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RC (AE)/30/2011/ Bulletin/April'2016/07

## Agro Advisory Bulletin - Ri-Bhoi (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather summery of the past four days

90°30'0"E

Weather forecast valid up to 27<sup>th</sup> April, 2016

Dated: 22/04/2016

Sky was partly cloudy with 59.0mm of rainfall. Maximum temperatures ranged between 27°C and minimum ranged between 18-20°C. Mean relative humidity was 96-97% in morning and 57-67% in evening. Wind speed ranged between 5 kmph. C & RD BLOCK MAP OF

90°0'0"E

The possibility of Rainfall is 78.0mm for the next five days. Maximum Temp: 29°C, Minimum Temp: 18-19°C, Cloud cover: sky will be mainly cloudy i.e. 2-6 Okta, Maximum RH: 90-98%, Minimum RH: 50-60%, Wind speed: 3-5 Kmph, Wind direction: 60-93 Degree.

Weekly cumulative rainfall :78.0mm

Agro meteorological Advisories for coming 5 days

91°0'0"E

Main Crop/	Stage	Pest/Diseases	Agricultural Advisories
Animal /Fisheries			ASSAM
Jhum Rice	ASSAM Land preparation to Sowing	MARCHET THE STATE OF THE STATE	<ul> <li>Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; IRAT 109, IR 50, etc</li> <li>Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack.</li> <li>Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after 20-25 DAS.</li> </ul>
Potato	Tuber initiation (For high altitude Region)	WEST IN A SI HILLS  RANGOR  RANGOR	<ul> <li>Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut worms in potato.</li> <li>Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation.</li> </ul>
Maize High & Mid altitude Region STATE GIS	Emergence	SCALE 1: 1,350,00	<ul> <li>Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases.</li> <li>Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination &amp; retaining one seedling per hill.</li> </ul>
Brinjal 24'30'0'N- 90'0'0'E	Nursery preparation to transplanting	91°0'0"E 91°30'0"E	<ul> <li>Start transplanting of brinjal seedlings. Prepare ridges and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation.</li> <li>Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) &amp; 90 x 60 cm Hybrids.</li> </ul>
Tomato	Nursery raising		<ul> <li>Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P &amp; K fertiliser, &amp; also apply 2.5g carbofuran or 200 g of neem cake.</li> <li>Seed treatment</li> <li>Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid</li> </ul>





			<ul> <li>damping off disease.</li> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> <li>After sowing, mulch with green leaves and irrigate with a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.</li> </ul>
Bottle Gourd	Sowing to emergence	RD BLOCK MAP OF N	<ul> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.</li> </ul>
26°30'0"N=			Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses.
Ash Gourd	Sowing to emergence		• Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin 26°0'0"N-	THE PROPERTY OF STREET PARKS AND ASSESSMENT	MANDETURE! MODESTON MONTRADIRABINAL MEST INHA SI HILLS	<ul> <li>During Feb/ March month apply lime @ 2-3 kg/tree in alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> <li>Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.</li> </ul>
Animal Sciences	CHOSPOT SECTIONS	L macons la	HILLS JAINTHILLS
Poultry  25°0'0"N-	All stages	PAIROR	<ul> <li>As the day temperature has increased keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be changed periodically and provide clean drinking water and changed the water every day.</li> </ul>
STATE G ( MEGHA	LAYA)	SCALE 1: 1,350,00	<ul> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the drooping of the poultry birds for any diseases symptom.</li> </ul>
90°0°0″E	90°30′0″E	Coccidiosis	<ul> <li>Provide plenty of fresh and clean drinking water.</li> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disease	• Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1 drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		<ul> <li>Keep the pig stay/shed dry and clean and avoid dampness during rainy season.</li> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> </ul>



## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya

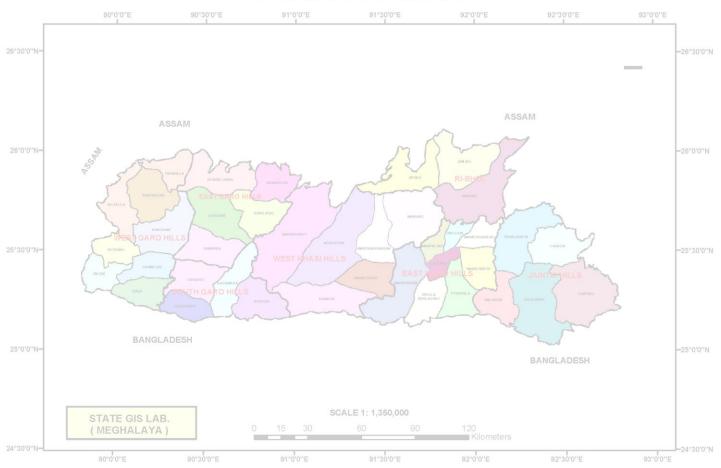


2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

			• In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.
		Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

C & RD BLOCK MAP OF MEGHALAYA





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

92°30'0"E

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

RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – SOUTH GARO HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 63.0mm for the next five days. Maximum Temp: 28-29°C, Minimum Temp: 18-19°C, Cloud cover: sky will be mainly cloudy i.e. 2-6 Okta, Maximum RH: 9-95%, Minimum RH: 61-72%, Wind speed: 10-13 Kmph, Wind direction: 75-83 Degree.

Weekly cumulative rainfall: 63.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E

Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries **Boro Rice** Grain filling Rice Gundhi bug/ Spray Malathion 5% dust @ 6.25kg/ha for Rice Gandhi stem borer bug and Chloropyriphos @0.02% or Monocrotophos @ 0.04% for stem borer. Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after Tuber initiation **Potato** Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut worms in potato. (For high altitude BANGLAD Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ SCALE 1: 1,350,0 Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before GIS LAB. High & Mid altitude | ALAYA) sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed 91°0'0"E by thinning at 10 days after germination & retaining one seedling per hill. **Brinjal** Start transplanting of brinjal seedlings. Prepare ridges Nursery preparation to and furrows at a spacing of 60 cm. Apply 25t/ha FYM transplanting during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids.





m 4	NY		
Tomato	Nursery raising		• Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake.
			Seed treatment
			Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid damping off disease.
			<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> </ul>
	C	& RD BLOCK MAP OF	• After sowing, mulch with green leaves and irrigate with
	90°0'0'E 90°30'0''E	91°0'0"E 91°30'0"	a rose-can daily in the morning. Remove the mulch
D (1) G 1			immediately after germination of the seeds.
Bottle Gourd	Sowing to emergence		Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd & apply 15-20kgs well rotten FYM in each pit.
			• Sow 2-3 seeds of bottle gourd varieties like Pusa
			Summer, Prolific Long, Prolific Round, Pusa Meghdoot,
	ASSAM		Pusa Hybrid 2, etc to be planted in each pit.
			Mulching with locally available materials like straw,
26°0'0"N-			grasses may be done to reduce evaporation loses.
Ash Gourd	Sowing to emergence	Land &	Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size
	emergence	The street of th	60cm x 60cm. Sowing of 2-3 seed may be sown in each
	SELECTIVE SOURCE LINES	7	pit.
Khasi Mandarin	ROBGRAM CONCESS	1 1 1	During Feb/ March month apply lime @ 2-3 kg/tree in
25°30'0''N-	CARELOGE CARELOGE	WEST KHASI HILLS	<ul> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> </ul>
	BANGLADESH	EARTON CO.	Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.
Animal Sciences	DANGLADEON		-25°0'0"N
Poultry	All stages		As the day temperature has increased keep the poultry
			house well ventilated during day time.
			Provide vitamin B complex @ 7ml/litre in drinking
	TATE GIS LAB.	SCALE 1: 1,350,0	water daily in broner for healthy growth.
	MEGHALAYA)	10.00.00	Litter should be changed periodically and provide clean
24°30'0"N-	90°30°0"E 90°30°0"E	91°0'0"E 91°30'0"	drinking water and changed the water every day.     Diseased and dead birds should be immediately removed.
			Regularly inspect the drooping of the poultry birds for any diseases symptom.
		Coccidiosis	Provide plenty of fresh and clean drinking water.
			Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg
			feed once a day as a preventive measure against
		David Late P	coccidiosis.
		Ranikhet disease	• Vaccinate the poultry birds with <b>F1/ Lasota vaccine</b> (1
			drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages		Keep the pig stay/shed dry and clean and avoid
- 16601 J	All stages		dampness during rainy season.



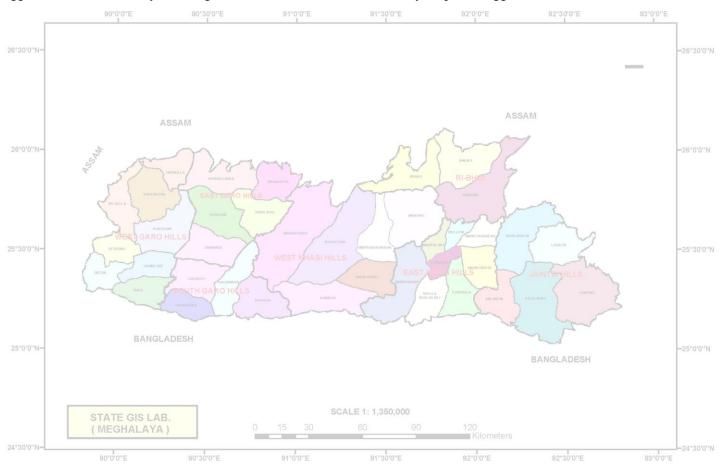
## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

			<ul> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
		Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

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

RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – SOUTH WEST GARO HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 63.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 20°C, Cloud cover: sky will be mainly cloudy i.e. 1-6 Okta, Maximum RH: 87-91%, Minimum RH: 59-70%, Wind speed: 7-9 Kmph, Wind direction: 57-77 Degree.

Weekly cumulative rainfall: 63.0mm C & RD BLOCK MAP OF MEGHALAYA

90°0'0"E 90°30'0"E 91°30'0"E 92°0'0"E 92°0'0"

Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries **Boro Rice** Grain filling Rice Gundhi bug/ Spray Malathion 5% dust @ 6.25kg/ha for Rice Gandhi stem borer bug and Chloropyriphos @0.02% or Monocrotophos @ 0.04% for stem borer. Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after **Potato** Tuber initiation Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut worms in potato. (For high altitude BANGLAD Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ SCALE 1: 1,350,0 Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before GIS LAB. High & Mid altitude | ALAYA) sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed 91°0'0"E by thinning at 10 days after germination & retaining one seedling per hill. **Brinjal** Start transplanting of brinjal seedlings. Prepare ridges Nursery preparation to and furrows at a spacing of 60 cm. Apply 25t/ha FYM transplanting during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids.





7D 4	NT		D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Nursery raisi	ing	• Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake.
			Cool treatment
			<ul> <li>Seed treatment</li> <li>Seeds should be treated with Tricoderma @ 5-10 g/Kg seed or carbendazim 2g/Kg seed to avoid damping off</li> </ul>
			<ul> <li>disease.</li> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> </ul>
		C & RD BLOCK MAI	After sowing mulch with group leaves and irrigate with
	90.0.0.E 80.30.0.E		a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.
<b>Bottle Gourd</b>	Sowing	to	Prepare pits of size 60cm x 60cm x 60cm for sowing of
26°30'0"N-	emerger		bottle gourd & apply 15-20kgs well rotten FYM in each pit.
			• Sow 2-3 seeds of bottle gourd varieties like Pusa
			Summer, Prolific Long, Prolific Round, Pusa Meghdoot,
	ASSAM		Pusa Hybrid 2, etc to be planted in each pit.
			Mulching with locally available materials like straw,
Ash Gourd	Couring	to	grasses may be done to reduce evaporation loses.
Ash Gourd	Sowing emerger	7	Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size
	CHICIGO	The water from the same of the	60cm x 60cm. Sowing of 2-3 seed may be sown in each
	CARRIED CHOICE	BOIL HIGH	pit.
Khasi Mandarin	NORGRAME WEST GARO HILLS	Management	During Feb/ March month apply lime @ 2-3 kg/tree in
25°30'0"N-	BETASING CAMIFICATE  CAMIFICATE  TREATAN	WEST HHASI HILLS	<ul> <li>alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> </ul>
1	DALI COMPOSITOR OF THE PROPERTY OF THE PROPERT	HILLS	• Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.
Animal Sciences	BANGLADESH		-25°0''N
Poultry	All stages	s	As the day temperature has increased keep the poultry
•	<b></b>		house well ventilated during day time.
			Provide vitamin B complex @ 7ml/litre in drinking
	STATE GIS LAB.	0 15 30 60	water daily in broiler for healthy growth.
24°30'0''N-	( MEGHALAYA )	0 15 30 60	Litter should be changed periodically and provide clean drinking water and changed the water every day.
	90°0'0"E 90°30'0"E	91°0′0″E	Diseased and dead birds should be immediately removed.
			<ul> <li>Regularly inspect the drooping of the poultry birds for any diseases symptom.</li> </ul>
		Coccidiosis	
			<ul> <li>Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.</li> </ul>
		Ranikhet disea	
		ramanet disca	drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages	S	Keep the pig stay/shed dry and clean and avoid
			dampness during rainy season.



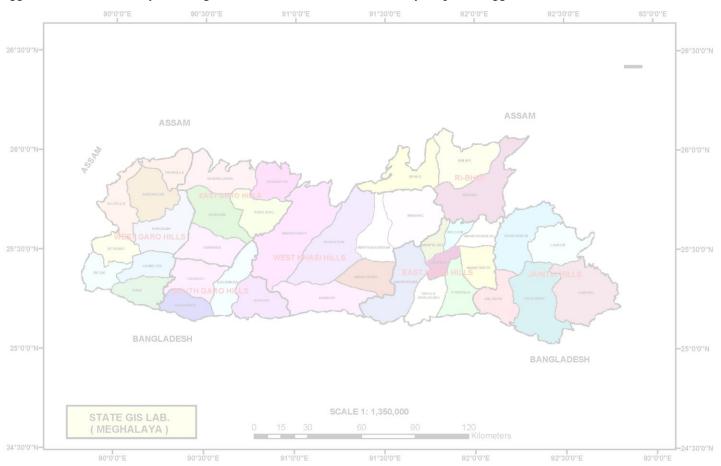
## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

		Skin infection	<ul> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> <li>Provide Ivermectin (Injection) @ 10mg/33kg body wt.</li> </ul>
Cattle & Buffaloes	6-9 months calves	Brucellosis	Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
		Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.





## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



Dated: 22/04/2016

seed or carbendazim 2g/Kg seed to avoid damping off

disease.

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

RC (AE)/30/2011/ Bulletin/April'2016/07

# Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 23<sup>th</sup> – 27<sup>th</sup> April, 2016)

#### Weather forecast valid up to 27<sup>th</sup> April, 2016

The possibility of Rainfall is 69.0mm for the next five days. Maximum Temp: 27-28°C, Minimum Temp: 18°C, Cloud cover: sky will be mainly cloudy i.e. 3-6 Okta, Maximum RH: 90-97%, Minimum RH: 64-80%, Wind speed: 8-11 Kmph, Wind direction: 62-71 Degree.

Weekly cumulative rainfall: 69.0mm C & RD BLOCK MAP OF MEGHALAYA

91°0'0"E 92°30'0''E Agro meteorological Advisories for coming 5 days Main Crop/ Pest/Diseases Agricultural Advisories Stage Animal /Fisheries Jhum Rice Land preparation Undertake sowing of Jhum rice var. like Bhalum 1, 2, 3; to Sowing IRAT 109, IR 50, etc Before sowing treat the seeds with Bavistin 50 WP@ 2g/l or Mancozeb 2.5 g/l with water for 24hrs to protect from fungal attack. Small quantity of urea @ 30kg/ha may be given at the time of sowing and 30 kg/ha urea as top dressing after Tuber initiation Spray chlorpyriphos 20 EC @ 1ml/litre for control of cut Potato"N (For high altitude worms in potato. Region) Cover the soil with locally available biomass like straw, grasses, etc for in situ moisture conservation. Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ BANGLAD Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before High & Mid altitude sowing to protect from diseases. Region Sow 2 seeds per hill at a spacing of 60×30 cm followed by thinning at 10 days after germination & retaining one seedling per hill. Start transplanting of brinjal seedlings. Prepare ridges Nursery preparation to Brinjal transplanting and furrows at a spacing of 60 cm. Apply 25t/ha FYM during main field preparation. Transplant 30-35 days old seedlings at 60 cm apart on the ridges maintaining a spacing of 60 x 60 cm (Varieties) & 90 x 60 cm Hybrids. **Tomato** Nursery raising Prepare raised nursery bed of height of 15 cm, 1m width and length of convenient length. For 1 sq.m apply 5kg well rotten FYM and 20 g of each N, P & K fertiliser, & also apply 2.5g carbofuran or 200 g of neem cake. **Seed treatment** Seeds should be treated with Tricoderma @ 5-10 g/Kg





Bottle Gourd	Sowing to		<ul> <li>Dry the treated seeds in shade for 30 minutes and then sown sparsely along the lines in ½ cm depth and then covered by the topsoil.</li> <li>Seed rate: 400 - 500 g/ha seeds are required</li> <li>After sowing, mulch with green leaves and irrigate with a rose-can daily in the morning. Remove the mulch immediately after germination of the seeds.</li> <li>Prepare pits of size 60cm x 60cm x 60cm for sowing of</li> </ul>
90°0'0	emergence	\$ RD BLOCK MAP OF I	<ul> <li>bottle gourd &amp; apply 15-20kgs well rotten FYM in each pit.</li> <li>Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot,</li> </ul>
Ash Gourd	Sowing to emergence		• Ash gourd to be planted at plant to plant 3m and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed may be sown in each pit.
Khasi Mandarin	ASSAM  THEFICALA STRUCTURA  EAST PORTO HIAS  SONGER  ROMG R	The Williams	<ul> <li>During Feb/ March month apply lime @ 2-3 kg/tree in alternate year.</li> <li>Apply 350g Urea, 450g SSP &amp; 200g MOP per tree and FYM @ 15-20 kg/tree.</li> <li>Undertake spraying of Bavistin (1g/l) + Monocrotophos (1ml/l)+ Zn sulphate (0.5%)+Mg sulphate (0.2%)+ Cu sulphate (0.4%)+ Mn sulphate(0.4%) on new flushes during March/ April in Khasi Mandarin.</li> </ul>
Animal Sciences	ROBGRAM  ROBGRAM  ROBGRAM	S MARCOLONIE S	Mallin January Wall and W. Co.
25°0'0"N-	All stages  CAMELONE  CHOSPOT  BALTI  CHOSPOT  CHOSPOT  CHOSPON  C	WEST INHASI HILLS  RANGE TO SERVICE TO SERVI	<ul> <li>As the day temperature has increased keep the poultry house well ventilated during day time.</li> <li>Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.</li> <li>Litter should be changed periodically and provide clean drinking water and changed the water every day.</li> <li>Diseased and dead birds should be immediately removed.</li> <li>Regularly inspect the drooping of the poultry birds for any diseases symptom.</li> </ul>
( MEGI-	GIS LAB. ALAYA)	Coccidiosis SCALE 1: 1,350,0 15 30 60	Provide plenty of fresh and clean drinking water. Provide coccidiostatic like <b>Amprolium</b> @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
90°0°0″!	90°30°0"E	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.
Piggery	All stages		<ul> <li>Keep the pig stay/shed dry and clean and avoid dampness during rainy season.</li> <li>Repair the roof of pig stay to protect from rain.</li> <li>Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.</li> <li>In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.</li> </ul>
		Skin infection	• Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old calves with <i>Brucella abortus</i>



## ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



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		cotton strain-19 @ 5ml subcutaneous on the neck
	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
	Quarter	

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.

#### C & RD BLOCK MAP OF MEGHALAYA

