

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



Dated: 05/05/2017

92°30'0"E

material as soon as sprouts occurs. Seedlings of 30-35

Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local

days old can be transplanted in the main filed.

Recommended varieties: Chilli – Pusa jwala & Local

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

RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – SOUTH WEST KHASI HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 22.0mm for the next five days. Maximum Temp: 28-29°C, Minimum Temp: 16-18°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 85-95%, Minimum RH: 54-70%, Wind speed: 5-7 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall: 22.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days Make proper drainage in the crop fields Main Crop/ Pest/Diseases **Agricultural Advisories** Stage **Animal /Fisheries** Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ High & Mid altitude Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before Region sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc. **Bottle Gourd** 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 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. Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Ash Gourd & Sowing to Ash gourd & Pumpkin to be planted at plant to plant 3m ALAYA) Pumpkin emergence and row to row 1.5m spacing. Apply 15-20kgs FYM/pit 90.0,0, 90°30'0"E 91°30'0 of size 60cm x 60cm. Sowing of 2-3 seed in each pit. Brinjal/Chilli Nursery Nursery bed preparation preparation to Prepare raised bed & apply FYM @ 4 kg/m2. Make transplanting rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch





	1	T	
			 Recommended seed rate Brinjal: 500 g / ha Chilli: 500-1000 g / ha Seed treatment
			Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive.
			• Start transplanting of brinjal seedlings. 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
	C	& RD BLOCK MAP OF N	cm (Varieties) & 90 x 60 cm Hybrids. Apply neem cake at the pit of transplanting.
90°0'0	'E 90°30'0''E	91°0'0"E 91°30'0"E	92'0'0'E 92'0'0'E 93'0'0'E
Ginger/Turmeric	Seed bed		Select sandy loam type of soil for cultivation. Farmers
26°30'0"N=	preparation/Sowing		are advised to make raised bed of size 1m width, 15cm
			height and of convenient length and channels for draining excess rain water.
			After field preparation HYV's of ginger/turmeric like
	ASSAM		Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger:
	ASSAM		Nadia, Poona, Riodegenerio, etc. should be planted.
26°0'0"N-	and hand	an /	Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha
8 5	THEMSELLA RESURELINGRA	MARKETTA TO THE	Before sowing treat the seed rhizomes with Indofil M -
5	DADENDORN EAST GARO HILLS	of the	45 or Captaf @ 0.3% & plant at a spacing of 25cm x
	SONGEAR T RONGE	/ 7 /	25-30cm and turmeric at 40-45cm X 25cm.
- A	GARO HILLS	Managarana /	 Complete sowing before 20th April. Mulch the sown bed of ginger for soil and water
25°30'0"N-	SAMAHUA /	WEST KHASI HILLS	conservation, and also to reduce weed growth.
(ZHZAN	CHOKOT	/ maximi	Mulching materials like green leaves, dry grass, paddy
	DALII GARO HILLS	RAHROR	straw etc. may be used.
Tomato	Transplanting to early	3	• Transplant of seedlings of age 25-30 days old in beds at
	vegetative growth		a spacing of 75× 45cm in the evening & irrigate immediately.
25°0'0"N=	BANGLADESH		• Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10
		601171.1000	days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.
	GIS LAB.	SCALE 1: 1,350,0	Gap filling has to be done at 7th day after transplanting
Spring Potato (MEGI	Early vegetative stage	.5	Earthing up is to be done at 25 days after planting
90°0"0"1	90°30°0″E	91°0'0"E 91°30'0"E	(stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow:
			1 st irrigation: 25-30 DAS; 2 nd irrigation: 60 DAS; 3 rd irrigation: 80 DAS
Khasi Mandarin			
ixiiasi iviäiluafili			Application of Bordeaux mixture on tree trunk must be completed before the rain occurring.
			• Control of leaf miner by spraying Ekalux (1.5m/l) on new flush.
		Powdery	• Spray Sulfex E 2.5 g/litre of water during flush.
	1	1 Owdery	



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

		Mildew	
			Nutrient application:
			Apply 30kg FYM/Tree
			• 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences			
Poultry	All stages		Protect poultry houses from extreme wind by covering
			with polythene sheets on the sheds.
			• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.
			Litter should be changed periodically and provide clean
			drinking water and change the water every day.
			Diseased and dead birds should be immediately
	C	& RD BLOCK MAP OF N	
90,0,0,	E 90°30'0"E	91°0'0"E 91°30'0"E	• Regularly inspect the dropings of the poultry birds for
		C :1: :	any diseases symptom.
26°30'0"N-		Coccidiosis	• Provide plenty of fresh and clean drinking water.
			• Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against
			coccidiosis.
		Ranikhet disease	Vaccinate the poultry birds with F1/ Lasota vaccine (1)
	ASSAM		drop) at the age of 4-7 days old and 35 days old through
			eye and nostril.
Piggery	All stages	1	• Vaccinate all newly born piglets against swine fever at
F 5	THEFERILA RESURELIARA	The second	the age of 3 months followed by annual booster dose.
5	DADENGON EASTGARO HILLS	Jan Kar	• In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.
Z SELZEIT V	SONGSAR TRONGS	7 4	 Iron supplementation in piglet to prevent from piglet
E. C.	ROBGRAM	S DAMPSTYLLUX	anaemia during 1 st week of age.
25°30'0"N-	ST GARO HILLS	Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old calves with Brucella abortus
1	CHOKPOT BACHMARA	A married by	cotton strain-19 @ 5ml subcutaneous on the neck
	ESSENTIA SARO FILES	Foot & Mouth	• Undertake regular immunization of cattle & buffaloes
	- The	Disease,	against Foot & Mouth disease, Haemorrhagic
	BANGLADESH	Haemorrhagic Septicaemia, Black	septicaemia & Black Quarter.
25°0'0"N-		Quarter	BANGLADESH -25°0'0"N
Fishery		- Quarter	ary 11 4 to last 1 to 1 and 1 1
Common carp	Fry stage/Advance fry		Fry stocking
STATE	GIS LAB.	SCALE 1: 1,350,0	Once Common carp fry attained (5-6cm) it can be
	ALAYA)	15 30 60	harvest and transferred to rearing ponds.
Major Carp/Minor	Brooders 90°30'0"E	91°0'0"E 91°30'0"E	Brood stock maintenance
Carp	90.30.0.F	91.00 E 91.30.0.F	Provide sufficient feed to the brooder for proper egg
			development (Rice bran, mustard oil cake, fish
			meal, minerals & vitamins).
			Regular monitoring of PH and dissolved oxygen.
	andry Chaha Annil Chaff a	WWW stoff for moons	1 2 2 78.

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



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92°30'0"E

polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35

days old can be transplanted in the main filed.

Recommended varieties: Chilli – Pusa jwala & Local

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RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – WEST GARO HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 24.0mm for the next five days. Maximum Temp: 30-32°C, Minimum Temp: 20-22°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 90-97%, Minimum RH: 57-70%, Wind speed: 6-9 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall: 24.0mm

C & RD BLOCK MAP OF MEGHALAYA

91°30'0"E

Agro meteorological Advisories for coming 5 days Make proper drainage in the crop fields Main Crop/ ASS Stage Pest/Diseases Agricultural Advisories **Animal /Fisheries** Sowing to Maize Undertake seed treatment with Carbendazim 50% WP @ High & Mid altitude Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before Region sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc. **Bottle Gourd** Prepare pits of size 60cm x 60cm x 60cm for sowing of Sowing to bottle gourd & apply 15-20kgs well rotten FYM in each emergence pit. 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. Mulching with locally available materials like straw, SCALE 1: 1,350,0 STATE GIS LAB. grasses may be done to reduce evaporation loses. Ash Gourd & Sowing to Ash gourd & Pumpkin to be planted at plant to plant 3m Pumpkin emergence and row to row 1.5m spacing. Apply 15-20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit. Brinjal/Chilli **Nursery bed preparation** Nursery preparation to Prepare raised bed & apply FYM @ 4 kg/m2. Make transplanting rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or





90,0,0	E 90°30'0''E	& RD BLOCK MAP OF 191°30'0".	 Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local Recommended seed rate Brinjal: 500 g / ha Chilli: 500-1000 g / ha Seed treatment Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
26°0'0"N- 25°30'0"N- 25°30'0"N- 25°0'0"N-	Seed bed preparation/Sowing ASSAM BASSAM BA	MAPPOPTREET MONGS TON WEST KHASI HILLS RANGER	 Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water. After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted. Seed rate- Turmeric: 2000-2500kg/ha. Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% & plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm. Complete sowing before 20th April. Mulch the sown bed of ginger for soil and water conservation, and also to reduce weed growth. Mulching materials like green leaves, dry grass, paddy straw etc. may be used. Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening & irrigate immediately.
Khasi Mandarin	GIS LAB. ALAYA)	SCALE 1: 1,350,0 15 30 60 91°00"E 91°30'0" Powdery Mildew	• Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86
Animal Sciences Poultry	All stages		Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.



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		Coccidiosis Ranikhet disease RD BLOCK MAP OF	 Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clear drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. Provide plenty of fresh and clean drinking water. Provide 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 (
0000101	0002010115	DATE DESCRIVIAL OF T	eye and nostril.
Piggery	All stages	31 331	 Vaccinate all newly born piglets against swine fever a the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from pigle anaemia during 1st week of age.
	ASSAM	Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	 Vaccinate 6-9 months old calves with Brucella abortule cotton strain-19 @ 5ml subcutaneous on the neck of th
Fishery	SAMAHUA	MOWESTORE MANUTHAD RAISHAM	LADIEHI —25°30'0"N
Common carp	Fry stage/Advance fry	EARIOR STATES	• Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor Carp	Brooders BANGLADESH		Brood stock maintenance Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen.

90°30'0"E

91°0'0"E

91°30'0"E

92°0'0"E



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92°30'0"E

days old can be transplanted in the main filed.

Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local

Recommended varieties: Chilli – Pusa jwala & Local

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RC (AE)/30/2011/ Bulletin/May 2017/10

Agro Advisory Bulletin – WEST JAINTIA HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 23.0mm for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 17-18°C, Cloud cover: sky will be partly cloudy i.e. 2-5 Okta, Maximum RH: 81-93%, Minimum RH: 42-63%, Wind speed: 2-4 Kmph, Wind direction: East-Southeast.

Weekly cumulative rainfall: 23.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days Make proper drainage in the crop fields Main Crop/ Pest/Diseases **Agricultural Advisories** Stage **Animal /Fisheries** Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ High & Mid altitude Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before Region sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc. **Bottle Gourd** 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 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. Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Ash Gourd & Sowing to Ash gourd & Pumpkin to be planted at plant to plant 3m ALAYA) Pumpkin emergence and row to row 1.5m spacing. Apply 15-20kgs FYM/pit 90.0,0, 90°30'0"E 91°30'0 of size 60cm x 60cm. Sowing of 2-3 seed in each pit. Brinjal/Chilli Nursery Nursery bed preparation preparation to Prepare raised bed & apply FYM @ 4 kg/m2. Make transplanting rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35





		T	T	
				Recommended seed rate Recommended seed rate
				Brinjal : 500 g / ha
				Chilli : 500-1000 g / ha
				• Seed treatment
				Treat the seeds with Trichoderma viride @ 4 g / kg or
				Pseudomonas fluorescens @ 10 g / kg of seed or
				Azospirillum @ 40 g / 400 g of seeds using rice gruel as
				adhesive.
				Start transplanting of brinjal seedlings. 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
		C	& RD BLOCK MAP OF I	EGH (Varieties) & 90 x 60 cm Hybrids.
	90°0'0'	E 90°30'0"E	91°0'0"E 91°30'0"	Apply neem cake at the pit of transplanting.
Cin and/T		Seed bed		
Ginger/T				Select sandy loam type of soil for cultivation. Farmers And the soil of
20 30 0 N		preparation/Sowing		are advised to make raised bed of size 1m width, 15cm
				height and of convenient length and channels for
				draining excess rain water.
				• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger:
		ASSAM		Nadia, Poona, Riodegenerio, etc. should be planted.
				Sand rate Turmerice 2000 2500kg/ha
26°0'0"N-	. W. S.	and and		Ginger: 1400-1600 Kg/ha
	8 6	THURSLA VISTA	W &	Before sowing treat the seed rhizomes with Indofil M -
	7	RESURELIMARA	MAKETIA JEST	45 or Captaf @ 0.3% & plant at a spacing of 25cm x
	RISEILA	EAST GARO HIALS	ng 1/1	25-30cm and turmeric at 40-45cm X 25cm.
	1	SONGSAN 7 RONGS		Complete sowing before 20 th April.
		ST GARO HILLS	MONORYHUUT /	Mulch the sown bed of ginger for soil and water
25°30'0"N=	DETASING	SAMAHUA /	WEST KHASI HILLS	conservation, and also to reduce weed growth.
	A Long	GAMIF GRE	WEST GIASTINEES	Mulching materials like green leaves, dry grass, paddy
	3 ~ 2	CHOKPOT BACHMARA	James &	straw etc. may be used.
Tomato		Transplanting to early	RAHKOR	• Transplant of seedlings of age 25-30 days old in beds at
2 0222400		vegetative growth	- January	a spacing of 75× 45cm in the evening & irrigate
		BANGLADESH		immediately.
25°0'0"N=		DANGLADESH		• Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP
				as basal dose either just before transplanting or 5-10
				days after transplanting. Apply the remaining 2/3 N (86
				kg/ha urea) at 20 and 45 DAT.
	STATE	GIS LAB.	SCALE 1: 1,350,0	Gap filling has to be done at 7th day after transplanting
Spring Po	otato (MEGH	Early vegetative stage	15 30 60	
24°30'0"N=				• Earthing up is to be done at 25 days after planting
	90°0'0"E	90°30°0"E	91°0'0"E 91°30'0"	(stolon formation stage). Depending upon the soil
				moisture status and availability of irrigation facility,
				farmers are advised to follow the irrigation schedule as
				follow:
				1 st irrigation: 25-30 DAS; 2 nd irrigation: 60 DAS; 3 rd
				irrigation: 80 DAS
Khasi Ma	andarin			
				Application of Bordeaux mixture on tree trunk must be
				completed before the rain occurring.
				• Control of leaf miner by spraying Ekalux (1.5m/l) on
				new flush.
			_	Spray Sulfex E 2.5 g/litre of water during flush.
			Powdery	



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		Mildew	
			Nutrient application:
			Apply 30kg FYM/Tree
			• 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences			
Poultry	All stages		Protect poultry houses from extreme wind by covering
			with polythene sheets on the sheds.
			• Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.
			• Litter should be changed periodically and provide clean
			drinking water and change the water every day.
			Diseased and dead birds should be immediately
	С	& RD BLOCK MAP OF N	
90°0'0'	E 90°30'0"E	91°0'0"E 91°30'0"E	 Regularly inspect the dropings of the poultry birds for any diseases symptom.
		Coccidiosis	Provide plenty of fresh and clean drinking water.
26°30'0"N=			Provide coccidiostatic like Amprolium @ 25-65 mg/kg
			feed once a day as a preventive measure against
			coccidiosis.
		Ranikhet disease	• Vaccinate the poultry birds with F1/ Lasota vaccine (1
	ASSAM		drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	All stages	. /	Vaccinate all newly born piglets against swine fever at
Piggery	MANUEL VINE	W E	the age of 3 months followed by annual booster dose.
F-3	RESUBELIARA	Jan Jan	• In epidemic areas, vaccinate 6 months old pigs with
SELSELLA	EAST GARO HIBLS	mg 14 1	FMD vaccine once in a year.
3	ROBGRAM SONGSAM		• Iron supplementation in piglet to prevent from piglet
25°30'0"N-	ST GARO HILLS	Skin infection	 anaemia during 1st week of age. Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	Vaccinate 6-9 months old calves with Brucella abortus
JEGAN S	CHOKPOT (BACHMARA)	A married of	cotton strain-19 @ 5ml subcutaneous on the neck
~	MONTH GARO HILLS	Foot & Mouth	• Undertake regular immunization of cattle & buffaloes
	white	Disease,	against Foot & Mouth disease, Haemorrhagic
	BANGLADESH	Haemorrhagic Septicaemia, Black	septicaemia & Black Quarter.
25°0'0"N-		Quarter	BANGLADESH
Fishery	<u> </u>	- Zuarter	MATTALANDET
Common carp	Fry stage/Advance fry		Fry stocking
STATE	GIS LAB.	SCALE 1: 1,350,0	Once Common carp fry attained (5-6cm) it can be
	ALAYA)	15 30 60	harvest and transferred to rearing ponds.
Major Carp/Minor	Brooders	91°0'0"E 91°30'0"E	Brood stock maintenance
Carp	00 00 E	01000	Provide sufficient feed to the brooder for proper egg
			development (Rice bran, mustard oil cake, fish
			meal, minerals & vitamins).
			 Regular monitoring of PH and dissolved oxygen.
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Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.



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Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local

days old can be transplanted in the main filed.

Recommended varieties: Chilli – Pusa jwala & Local

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Weekly cumulative rainfall: 24.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days Make proper drainage in the crop fields Main Crop/ Pest/Diseases **Agricultural Advisories** Stage **Animal /Fisheries** Maize Sowing to Undertake seed treatment with Carbendazim 50% WP @ High & Mid altitude Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before Region sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc. **Bottle Gourd** 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 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. Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses. Ash Gourd & Sowing to Ash gourd & Pumpkin to be planted at plant to plant 3m ALAYA) Pumpkin emergence and row to row 1.5m spacing. Apply 15-20kgs FYM/pit 90.0,0, 90°30'0"E 91°30'0 of size 60cm x 60cm. Sowing of 2-3 seed in each pit. Brinjal/Chilli Nursery Nursery bed preparation preparation to Prepare raised bed & apply FYM @ 4 kg/m2. Make transplanting rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch





			T	T
				Recommended seed rate Drivial 1500 5 (br)
				Brinjal : 500 g / ha
				Chilli : 500-1000 g / ha
				• Seed treatment Treat the goods with Triphodorms viride @ 4 g / kg or
				Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or
				Azospirillum @ 40 g / 400 g of seeds using rice gruel as
				adhesive.
				 Start transplanting of brinjal seedlings. 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
		0	& RD BLOCK MAP OF	cm (Variatios) & 90 v 60 cm Hybrids
		C		Apply neem cake at the pit of transplanting.
	90,0,0,	E 90°30'0"E	91°0'0"E 91°30'0"	92°0'0"E 92°30'0"E 93°0'0"E
Ginger/Turn	neric	Seed bed		• Select sandy loam type of soil for cultivation. Farmers
26°30'0"N-		preparation/Sowing		are advised to make raised bed of size 1m width, 15cm
				height and of convenient length and channels for
				draining excess rain water.
				• After field preparation HYV's of ginger/turmeric like
		ASSAM		Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger:
				Nadia, Poona, Riodegenerio, etc. should be planted.
26°0'0"N-	W 250 W			• Seed rate- Turmeric: 2000-2500kg/ha.
	83	THURSDAY VS TAN	W. F.	Ginger: 1400-1600 Kg/ha Before sowing treat the seed rhizomes with Indofil M -
	500	RESURELIARA	LEN LEN	45 or Captaf @ 0.3% & plant at a spacing of 25cm x
	ASTRETTY.	EAST GARO HILLS	-5 W	25-30cm and turmeric at 40-45cm X 25cm.
	1	SONGSAN T RONGS		• Complete sowing before 20 th April.
		GARO HILLS	MONOSTON NONCESTON	• Mulch the sown bed of ginger for soil and water
25°30'0"N-	BETASING	SAMAHUA /	WEST KHASI HILLS	conservation, and also to reduce weed growth.
	THE PARTY OF	J CAMBIGUE /		Mulching materials like green leaves, dry grass, paddy
	Land	DALIS CHOKPOT BACHMARA	4	straw etc. may be used.
Tomato		Transplanting to early	RAHROR	• Transplant of seedlings of age 25-30 days old in beds at
		vegetative growth	- Dental	a spacing of 75× 45cm in the evening & irrigate
		BANGLADESH		immediately.
25°0'0"N-				• Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP
				as basal dose either just before transplanting or 5-10
				days after transplanting. Apply the remaining 2/3 N (86
				kg/ha urea) at 20 and 45 DAT.
		GIS LAB.	SCALE 1: 1,350,0	Gap filling has to be done at 7th day after transplanting
Spring Potate	(MEGH	Early vegetative stage	15 30 60	Profits to the desired to the second
24°30′0″N-	90°0'0"E	90°30'0''E	91°0'0"E 91°30'0"	• Earthing up is to be done at 25 days after planting
				(stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility,
				farmers are advised to follow the irrigation schedule as
				follow:
				1 st irrigation: 25-30 DAS; 2 nd irrigation: 60 DAS; 3 rd
				irrigation: 80 DAS
				miguion. 00 Di lo
Khasi Manda	arin			
				Application of Bordeaux mixture on tree trunk must be
				completed before the rain occurring.
				• Control of leaf miner by spraying Ekalux (1.5m/l) on
				new flush.
				• Spray Sulfex E 2.5 g/litre of water during flush.



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>

			Powdery Mildew	Nutrient application: • Apply 30kg FYM/Tree • 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences	•		•	
Poultry		All stages		 Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately
		С	& RD BLOCK MAP OF N	Regularly inspect the dropings of the poultry birds for
	90.0.0,E	90°30'0"E	91°0'0"E 91°30'0"E	any diseases symptom.
26°30'0''N-			Coccidiosis	 Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		SAM	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	NAC MIGHINA NEED GARO HII	All stages EAST STATE HILLS STANGER ROOM ROO	The state of the s	 Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
25°30'0"N-	BETASING	SAMARUA:	Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffalo	es 6-9	months calves	Brucellosis	Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
25°0'0"N-	BANGLAD	CONTRACTOR NO.	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	• Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
Fighory			Quarter	BANGLADESH
Fishery	F			Ever at a skin a
Common carp	STATE GIS LAB. (MEGHALAYA)	ge/Advance fry	SCALE 1: 1,350,0 15 30 60	 Fry stocking Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor Carp	Broode	PS 90'30'0"E	91°0'0"E 91°30'0"E	Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen.

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: 05/05/2017

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

RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – East Garo Hills (Period 6th – 10th May, 2017)

Weather summery of the past five days

Weather forecast valid up to 10th May, 2017

Sky was partly cloudy with 2.0mm rainfall. Maximum temperatures ranged between 29-32°C and minimum ranged between 18-20°C. Relative humidity was 89-96% in morning and 46-53% in evening. Wind speed ranged between: 5-7kmph.

The possibility of Rainfall is 27.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 18-20°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 91-97%, Minimum RH: 56-67%, Wind speed: 5-8 Kmph, Wind direction: East-Southeast.

covered with sieved FYM, sand and soil

C & RD BLOCK MAP OF Weekly cumulative rainfall: 27.0mm

Agro meteorological Advisories for coming 5 days

Make proper drainage in the crop fields

	ACCANI		ASSAM
Main Crop/ Animal	Stage	Pest/Diseases	Agricultural Advisories
₂₅₀ /Fisheries	~	m	-26°0'0"N
Maize High & Mid altitude Region 25°30'0"N-	Sowing to The Emergence TOTAL STATE STATE OF THE STATE STAT	MANUAL MA	 Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc.
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
STATE GI (MEGHAI		SCALE 1: 1,350,000 30 60 90	Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot, Pusa Hybrid 2, etc to be planted in each pit.
90°0'0"E	90°30°0″E 91	0'0''E 91°30'0''E	Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses.
Ash Gourd & Pumpkin	Sowing to emergence		• Ash gourd & Pumpkin 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 in each pit.
Brinjal/Chilli	Nursery preparation to transplanting		Nursery bed preparation • Prepare raised bed & apply FYM @ 4 kg/m2. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line &





		C & R	D BLOCK MAP OF MEGHAL	mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed. • Recommended varieties: Chilli – Pusa jwala & Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local • Recommended seed rate Brinjal : 500 g / ha Chilli : 500-1000 g / ha • Seed treatment
	90°0'0"E	90°30'0"E 9	1°0'0"E 91°30'0"E	Treat the seeds with Trichoderma viride @ 4
26°30'0"N-	S.S. WILLIAM S.	ASSAM RESIDELIMA RESIDELIMA	The Market Marke	g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. • Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
Ginger/Turme 25°30'0"N-	DE TAGNO	preparation/Sowing	TOTAL STATE OF THE	 Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water. After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted. Seed rate- Turmeric: 2000-2500kg/ha.
24°30'0"N-	STATE GIS (MEGHAL		SCALE 1: 1,350,000 30 60 90	Ginger: 1400-1600 Kg/ha • Before sowing treat the seed rhizomes with Indofil M -45 or Captaf @ 0.3% & plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm. • Complete sowing before 20 th April.
				Mulch the sown bed of ginger for soil and water conservation, and also to reduce weed growth. Mulching materials like green leaves, dry grass, paddy straw etc. may be used.
Tomato		Transplanting to early vegetative growth		 Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening & irrigate immediately. Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at





	1	T	20 145 DATE
			20 and 45 DAT.
			• Gap filling has to be done at 7th day after
			transplanting
Khasi Mandarin		Powdery Mildew	 Application of Bordeaux mixture on tree trunk must be completed before the rain occurring. Control of leaf miner by spraying Ekalux (1.5m/l) on new flush. Spray Sulfex E 2.5 g/litre of water during flush.
			Nutrient application:
	C & R	D BLOCK MAP OF MEGHAL	Apply 30kg FYM/Tree
90°0'0"E	90°30'0"E 9		• 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences	T	T	
Poultry	All stages		 Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth.
26°0'0"N-	THERMALAN STRUCTURE LIMINA STRUCTURE LIM	AND	 Litter should be change periodically and provide clean drinking water and changed the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom.
25°30'0"N-	CAMETORE CHORDOT AND THE GARD HILLS CONTRACT	Coccidiosis THASI HILLS BOOK VOYAGE BOOK SOURCE SHOULD	 Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
25°0'0"N-	BANGLADESH	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 STATE G	All stages	SCALE 1: 1,350,000	Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.
(MEGHA		30 60 90	In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year.
24°30'0"N-	90°30°0″E 91		Iron supplementation in piglet to prevent from piglet anaemia during 1 st week of age.
		Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	• Vaccinate 6-9 months old calves with Brucella abortus 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.
Fishery			
Common carp	Fry stage/Advance fry		Fry stocking
		· · · · · · · · · · · · · · · · · · ·	



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

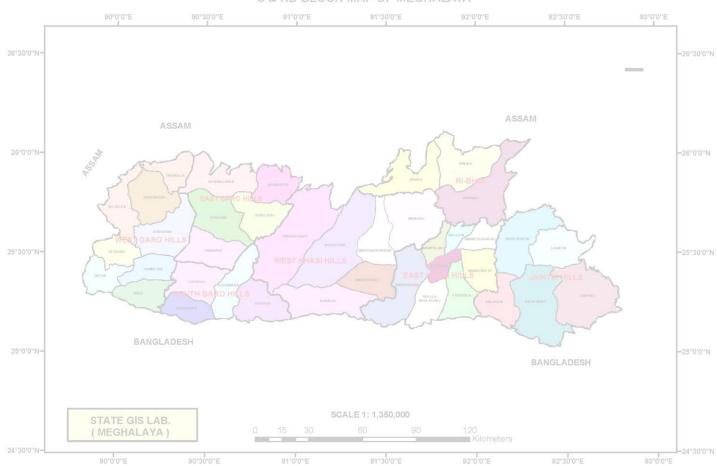


2: Telephone No.: 0364 2570276 (O) Fax: 0364 2570213/Email: <u>iaasbarapani@yahoo.in</u>

		Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor Carp	Brooders	Brood stock maintenance Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen.

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: 05/05/2017

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

RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – EAST JAINTIA HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 21.0mm for the next five days. Maximum Temp: 26-29°C, Minimum Temp: 16-18°C, Cloud cover: sky will be mainly cloudy i.e. 4-6 Okta, Maximum RH: 86-91%, Minimum RH: 42-71%, Wind speed: 2-4 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall: 21.0mm

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Make proper drainage in the crop fields

Main Crop/	Stage	Pest/Diseases	Agricultural Advisories
Animal /Fisheries	ASSAM		3
Maize N-High & Region Mid altitude Resolve N-High & Mid altitude	Sowing to Emergence HOUSEAL STRUCKLINGS SOUGEASS GARO HILLS CAMELICIE CHOSPOT FACILIMANTA CHOSPOT FACI	MONOSTON MONTANINASIAN MONTANI	 Undertake seed treatment with Carbendazim 50% WP @ 2g/kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc.
Bottle Gourd	Sowing to	A MARION	Prepare pits of size 60cm x 60cm x 60cm for sowing of
25°0'0"N=	emergence BANGLADESH	SCALE 1: 1,350,00	 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, Pusa Hybrid 2, etc to be planted in each pit. Mulching with locally available materials like straw,
Ash Gourd & MEGH	Sowing to	15 30 60	Ash gourd & Pumpkin to be planted at plant to plant 3m
Pumpkin	emergence	91°0'0"E 91°30'0"E	and row to row 1.5m spacing. Apply 15-20kgs FYM/pit
Brinjal/Chilli	Nursery preparation to transplanting		of size 60cm x 60cm. Sowing of 2-3 seed in each pit. Nursery bed preparation Prepare raised bed & apply FYM @ 4 kg/m2. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed. Recommended varieties: Chilli – Pusa jwala & Local





90°0'0''	C 8	RD BLOCK MAP OF N	 Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local Recommended seed rate Brinjal: 500 g / ha Chilli: 500-1000 g / ha Seed treatment Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
Ginger/Turmeric	Seed bed preparation/Sowing		 Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water. After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger:
26°0'0"N-	THEORETAIN PRINCELINGS RANGERS BONGERS SONGERS ROSCESS ROSCES	MOPTOTREE! MODESTOR MONTHARRADIAN AND THE STATE OF THE ST	 Nadia, Poona, Riodegenerio, etc. should be planted. Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% & plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm. Complete sowing before 20th April. Mulch the sown bed of ginger for soil and water conservation, and also to reduce weed growth. Mulching materials like green leaves, dry grass, paddy straw etc. may be used.
(MEGH.	Transplanting to early svegetative growth	SCALE 1: 1,350,00	 Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening & irrigate immediately. Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT. Gap filling has to be done at 7th day after transplanting
Spring Potato	Early vegetative stage	91°0'0"E 91°30'0"E	Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1st irrigation: 25-30 DAS; 2nd irrigation: 60 DAS; 3rd irrigation: 80 DAS
Khasi Mandarin			 Application of Bordeaux mixture on tree trunk must be completed before the rain occurring. Control of leaf miner by spraying Ekalux (1.5m/l) on new flush.



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>

		Powdery Mildew	 Spray Sulfex E 2.5 g/litre of water during flush. Nutrient application: Apply 30kg FYM/Tree
			• 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences	1		
Poultry	All stages	RD BLOCK MAP OF N	•
90°0	0E 80.30.0E	91°0'0"E 91°30'0"E	
	,		Regularly inspect the dropings of the poultry birds for
26°30'0"N=		Coccidiosis	 any diseases symptom. Provide plenty of fresh and clean drinking water.
		Coccidiosis	 Provide piency of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg
			feed once a day as a preventive measure against
			coccidiosis.
	ASSAM	Ranikhet disease	• Vaccinate the poultry birds with F1/ Lasota vaccine (1
26°0'0"N-		1	drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery 25°30'0"N-	DARTERSON EAST OFFICE AND	Skin infection	 Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age. 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>
4	BALLI BOHORA	NAME AND ADDRESS OF THE PARTY O	cotton strain-19 @ 5ml subcutaneous on the neck
25°0'0''N-	BANGLADESH	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. BANGLADESH Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter. BANGLADESH
Fishery			
Common carp STATE (MEG	Fry stage/Advance fry	SCALE 1: 1,350,00	Fry stocking Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor	Brooders	91-0 ₁ 0.1E 91-30 ₁ 0.E	Brood stock maintenance
Carp	Divodolo		 Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen.

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: 05/05/2017

Pusa Hybrid 2, etc to be planted in each pit.

Nursery bed preparation

Recommended varieties:

grasses may be done to reduce evaporation loses.

days old can be transplanted in the main filed.

Mulching with locally available materials like straw,

Ash gourd & Pumpkin 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 in each pit.

Prepare raised bed & apply FYM @ 4 kg/m2. Make

rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35

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RC (AE)/30/2011/ Bulletin/May'2017/10

STATE GIS LAB.

(MEGHALAYA)

Sowing to

emergence

Nursery preparation to

transplanting

Ash Gourd &

Brinjal/Chilli

Pumpkin

Agro Advisory Bulletin – EAST KHASI HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 21.0mm for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 14-15°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 85-94%, Minimum RH: 47-65%, Wind speed: 3-5 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall: 21.0mm C & RD BLOCK MAP OF MEGHALAYA 92°30'0"E Agro meteorological Advisories for coming 5 days Make proper drainage in the crop fields Main Crop/ **Agricultural Advisories** Stage Pest/Diseases Animal /Fisheries Sowing to Maize Undertake seed treatment with Carbendazim 50% WP @ High & Mid altitude Emergence 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before Region sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc. **Bottle Gourd** Sowing to Prepare pits of size 60cm x 60cm x 60cm for sowing of BANGLADEemergence bottle gourd & apply 15-20kgs well rotten FYM in each BANGLADESH Sow 2-3 seeds of bottle gourd varieties like Pusa Summer, Prolific Long, Prolific Round, Pusa Meghdoot,

SCALE 1: 1,350,0





90°0'0' 1		& RD BLOCK MAP OF I	Chilli – Pusa jwala & Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local • Recommended seed rate Brinjal : 500 g / ha Chilli : 500-1000 g / ha • Seed treatment Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. • Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
Ginger/Turmeric	Seed bed preparation/Sowing		 Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water. After field preparation HYV's of ginger/turmeric like
25°30'0"N-	BARTAGEI EASTGRIO HILLS SONGEAN CONCEAN CONCEA	MONOSTOR INCOMESTOR INCOMPANIAMENT INCOMES TORRESTOR INCOMPANIAMENT INCOMES TORRESTOR INCOMPANIAMENT INCOMES TORRESTOR INCOMPANIAMENT INCOMES TORRESTOR INCO	 Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted. Seed rate- Turmeric: 2000-2500kg/ha.
(MEGH	Transplanting to early vegetative growth	SCALE 1: 1,350,0 15 30 60	 Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening immediately. Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT.
Spring Potato	Early vegetative stage	91°0'0"E 91°30'0"I	 Gap filling has to be done at 7th day after transplanting Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1st irrigation: 25-30 DAS; 2nd irrigation: 60 DAS; 3rd irrigation: 80 DAS
Khasi Mandarin			 Application of Bordeaux mixture on tree trunk must be completed before the rain occurring. Control of leaf miner by spraying Ekalux (1.5m/l) on new flush.



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



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		Powdery Mildew	 Spray Sulfex E 2.5 g/litre of water during flush. Nutrient application: Apply 30kg FYM/Tree 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences			,
Poultry	All stages C	& RD BLOCK MAP OF I	removed
			any diseases symptom.
26°30'0"N		Coccidiosis	 Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
	ASSAM	Ranikhet disease	• Vaccinate the poultry birds with F1/ Lasota vaccine (1
26°0'0"N-			drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery	THE GARD HILLS THE GARD HILLS	MODESTON MODESTON	 Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
1	CAMBEGRE J	Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis	Vaccinate 6-9 months old calves with Brucella abortus
7	NONCH MONCH	RAHROR	cotton strain-19 @ 5ml subcutaneous on the neck
25°0'0"N	BANGLADESH	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	 Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
Fishery			
Common carp STATE	Fry stage/Advance fry	SCALE 1: 1,350,0 15 30 60	Fry stocking Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds24-300*N
Major Carp/Minor	Brooders	91'0'0'E 91'30'0''I	Brood stock maintenance
Carp	Bioodels		 Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen.

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: 05/05/2017

92°30'0"E

ASSAM

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RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – NORTH GARO HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 31.0mm for the next five days. Maximum Temp: 28-31°C, Minimum Temp: 19-21°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 81-97%, Minimum RH: 50-62%, Wind speed: 3-7 Kmph, Wind direction: Northeast-Southeast.

Weekly cumulative rainfall: 31.0mm C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days —

Make proper drainage in the crop fields

	n Crop/	Stage	Pest/Diseases	Agricultural Advisories
	/Fisheries	~~		-26°0'0"N
Maize High & Region	Mid altitude	Sowing to Emergence PAGE POWER HILLS RONGIAN CAMBI CIE CHOROTO EACHMANA CAMBI CIE CHOROTO EACHMANA CAMBI CIE CHOROTO EACHMANA EMELIA EMEL	MANDOTABLE MODES TORK WEST BHASI HILLS MANDOTABLE MANDOR	 Undertake seed treatment with Carbendazim 50% WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc.
Bottle Go	STATE (MEGH	Sowing to BANGLADFEMERGENCE GIS LAB. ALAYA)	SCALE 1: 1,350,0 15 30 60	 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, Pusa Hybrid 2, etc to be planted in each pit. Mulching with locally available materials like straw, grasses may be done to reduce evaporation loses.
Ash Gour Pumpkin	'd & 90°0'0"E	Sowing to emergence	91°0'0"E 91°30'0"E	• Ash gourd & Pumpkin 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 in each pit.
Brinjal/C	hilli	Nursery preparation to transplanting		 Nursery bed preparation Prepare raised bed & apply FYM @ 4 kg/m2. Make rows of 10 cm distance along the width of the bed with the help of bamboo stick. Sow the seeds at 1-2 cm deep in the line & covered with sieved FYM, sand and soil mixture. Covered the bed with dry grass/paddy straw or polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed. Recommended varieties:





26*30'0"N=	90°0'0	E 90°30'0"E	& RD BLOCK MAP OF N	Chilli – Pusa jwala & Local Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local • Recommended seed rate Brinjal : 500 g / ha Chilli : 500-1000 g / ha • Seed treatment Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. • Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
Ginger/T	urmeric	Seed bed		Select sandy loam type of soil for cultivation. Farmers
		preparation/Sowing		are advised to make raised bed of size 1m width, 15cm
				height and of convenient length and channels for draining excess rain water.
		ASSAM		After field preparation HYV's of ginger/turmeric like
26°0'0"N-	45. W	an Man	.)	Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted.
	5	THE MOVELLA RESUME LIVARA	my and	Seed rate- Turmeric: 2000-2500kg/ha.
	5	DATENDONI EASTORO HILLS	The state of the s	Ginger: 1400-1600 Kg/ha
	STATE	SONGERM T RONGE	/ 7 /	Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% & plant at a spacing of 25cm x
		ST GARO HILLS	MONGSTON	25-30cm and turmeric at 40-45cm X 25cm.
25°30'0''N-	DETASHG	SAMARIJA	WEST KHASI HILLS	• Complete sowing before 20 th April.
	(ZHZAH S	CHOKPOT JEACHMARA		• Mulch the sown bed of ginger for soil and water conservation, and also to reduce weed growth.
		BALLI SCATH GARO HILLS	RAHBOR MANAGEMENT	Mulching materials like green leaves, dry grass, paddy
		- white	- January	straw etc. may be used.
Tomato		Transplanting to early vegetative growth		• Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening & irrigate
		vegetative growth		immediately.
				• Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP
			SCALE 1: 1,350,0	as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86
		GIS LAB. ALAYA)	15 30 60	90 kg/ha urea) at 20 and 45 DAT.
24°30′0"N-				Gap filling has to be done at 7th day after transplanting
Khasi Ma	ındarin 90°0'0"E	90°30'0"E	91°0'0"E 91°30'0"E	Application of Bordeaux mixture on tree trunk must be
				completed before the rain occurring.
				• Control of leaf miner by spraying Ekalux (1.5m/l) on
				new flush. • Spray Sulfex E 2.5 g/litre of water during flush.
			Powdery	Spray Sanox 2 2.5 g has of water during frush.
			Mildew	Nutrient application:
				Apply 30kg FYM/Tree650 g Urea: 1220 g SSP: 450 g MOP/tree.
				550 g 510a. 1220 g 551 . 750 g 11101/1100.
Animal S	ciences	A 11	T	
Poultry		All stages		Protect poultry houses from extreme wind by covering



24°30'0"N-

90°0'0"E

90°30'0"E

GRAMIN KRISHI MAUSAM SEWA

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

	T		
		Coccidiosis	 with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clean drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. Provide plenty of fresh and clean drinking water. Provide coccidiostatic like Amprolium @ 25-65 mg/kg
			feed once a day as a preventive measure against
		Davildad diagona	coccidiosis.
90°0	0,E 30,30,0,E	Ranikhet disease F	drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery 25:300'N-	All stages		 Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet
	ASSAM		anaemia during 1 st week of age.
		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
25°30'0"N-	DATE SECURITY DA	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
Fishery	GAMIFORE STATE	WEST KHASI HILLS	CACT OF STATE OF STAT
Common carp	Fry stage/Advance fry	BARROR STATES	• Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor Carp	Brooderssh		 Brood stock maintenance Provide sufficient feed to the brooder for proper egg
			development (Rice bran, mustard oil cake, fish meal, minerals & vitamins).
CTATE	GISTAR	SCALE 1: 1,350,0	Regular monitoring of PH and dissolved oxygen.
Suggestion: Contact r	nearby State Agril. Staff o	or KVK staff for neces	sary help and suggestion.

91°30'0"E



Pumpkin

Brinjal/Chilli

GRAMIN KRISHI MAUSAM SEWA

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



Dated: 05/05/2017

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RC (AE)/30/2011/ Bulletin/May 2017/10

Agro Advisory Bulletin – Ri-Bhoi (Period 6th – 10th May, 2017)

Weather summery of the past four days

Weather forecast valid up to 10th May, 2017

Sky was mainly cloudy with 2.1mm of rainfall. Maximum temperatures ranged between 27.1-30.0°C and minimum ranged between 13.5-16.2°C. Mean relative humidity was 85-96% in morning and 39-53% in evening. Wind speed ranged between 2-3 kmph.

90°30'0"E

emergence

The possibility of Rainfall is 24.0mm for the next five days. Maximum Temp: 28.0-30.0°C, Minimum Temp: 15.0-19.0°C, Cloud cover: sky will be partly cloudy i.e. 3-5 Okta, Maximum RH: 88-96%, Minimum RH: 44-54%, Wind speed: 3-4 Kmph, Wind direction: East-Southeast.

plant 3m and row to row 1.5m spacing. Apply 15-

Weekly cumulative rainfall: 24.0mm

Agro meteorological Advisories for coming 5 days

91°0'0"E

 Make proper drainage in the crop fields Main Crop/ Pest/Diseases Agricultural Advisories Stage **Animal /Fisheries** Maize Sowing to Undertake seed treatment with Carbendazim 50% High & Mid altitude Emergence WP @ 2g/ kg or Captan 50% WP @ 2.5g/Kg of Region seed before sowing to protect from diseases. 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. Do earthing up. Mulching with materials like paddy, straw, grasses, dry tree leaves, etc. can be done in order to conserve moisture, suppress weed growth, reduce soil loss etc. **Bottle Gourd** ANGLADESH Sowing to Prepare pits of size 60cm x 60cm x 60cm for sowing of bottle gourd & apply 15-20kgs well emergence rotten FYM in each pit. 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 STATE GIS LAB. (MEGHALAYA) each pit. Mulching with locally available materials like 91°30'0"E straw, grasses may be done to reduce evaporation loses. Ash Gourd & Sowing to Ash gourd & Pumpkin to be planted at plant to

	20kgs FYM/pit of size 60cm x 60cm. Sowing of 2-3 seed in each pit.	
Nursery	Nursery bed preparation	
preparation to	• Prepare raised bed & apply FYM @ 4 kg/m2.	
transplanting	Make rows of 10 cm distance along the width of	
	the bed with the help of bamboo stick. Sow the	
	seeds at 1-2 cm deep in the line & covered with	
	sieved FYM, sand and soil mixture. Covered the	
	bed with dry grass/paddy straw or polythene for 3-	





_	T	T	
			5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch material as soon as sprouts occurs. Seedlings of 30-35 days old can be transplanted in the main filed.
			• Recommended varieties: Chilli – Pusa jwala & Local
			Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local
			• Recommended seed rate Brinjal: 500 g / ha Chilli: 500-1000 g / ha
			• Seed treatment
			Treat the seeds with Trichoderma viride @ 4 g /
	C & F	D BLOCK MAP OF ME	kg or Pseudomonas fluorescens @ 10 g / kg of
90°0'0"E	90°30'0"E	1°0'0"E 91°30'0"E	seed or Azospirillum @ 40 g / 400 g of seeds
			using rice gruel as adhesive.
26°30'0"N=			• Start transplanting of brinjal seedlings. 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
	ACCAN		on the ridges maintaining a spacing of 60 x 60
	ASSAM		cm (Varieties) & 90 x 60 cm Hybrids.
26°0'0"N-	m Mary man	<u></u>	Apply neem cake at the pit of transplanting.
Ginger/Turmeric	Seed bed	The same	• Select sandy loam type of soil for cultivation.
2 1	preparation/Sowing	The state of the s	Farmers are advised to make raised bed of size 1m
STREET	SONGSAR ROMG, FING	7 7 1	width, 15cm height and of convenient length and
2.5	ROBGRAM BARO HILLS	meneralis /	channels for draining excess rain water.
25°30'0"N-	SARO HILLS	MONICSTON MINITING RABINAN	• After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-
May	CAMIFORE WE	ST KHASI HILLS	1; Ginger: Nadia, Poona, Riodegenerio, etc.
20K7AN	CHOKPOT BAGHMARA	MARTINE EA	should be planted.
L. OAL	STATH GARO HILLS	RAHROR	• Seed rate- Turmeric: 2000-2500kg/ha.
	T CESSANUA	I many	Ginger: 1400-1600 Kg/ha
			Before sowing treat the seed rhizomes with
25°0'0''N-	ANGLADESH		Indofil M -45 or Captaf @ 0.3% & plant at a
Consecution of the 1999			spacing of 25cm x 25-30cm and turmeric at 40-
			45cm X 25cm.
			• Complete sowing before 20 th April.
STATE GIS	LAB.	SCALE 1: 1,350,000	• Mulch the sown bed of ginger for soil and water
(MEGHAL		30 60 9	conservation, and also to reduce weed growth.
24°30'0"N-			Mulching materials like green leaves, dry grass,
90°0'0"E	90°30'0"E 9	1°0'0"E 91°30'0"E	paddy straw etc. may be used.
Tomato	Transplanting to early		• Transplant of seedlings of age 25-30 days old in
	vegetative growth		beds at a spacing of 75×45 cm in the evening & irrigate immediately.
			 Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg
			MOP as basal dose either just before transplanting
			or 5-10 days after transplanting. Apply the
			remaining 2/3 N (86 kg/ha urea) at 20 and 45
			DAT.
			• Gap filling has to be done at 7th day after
			• Gap filling has to be done at 7th day after transplanting





Spring Potato	Early vegetative stage		
			• Earthing up is to be done at 25 days after planting (stolon formation stage). Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the irrigation schedule as follow: 1 st irrigation: 25-30 DAS; 2 nd irrigation: 60 DAS; 3 rd irrigation: 80 DAS
Khasi Mandarin	C & F	RD BLOCK MAP OF ME	 Application of Bordeaux mixture on tree trunk must be completed before the rain occurring. Control of leaf miner by spraying Ekalux (1.5m/l) on new flush. Spray Sulfex E 2.5 g/litre of water during flush. Nutrient application: Apply 30kg FYM/Tree 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences	A 11 -4	<u> </u>	D. A. ASSAM I.
Poultry 26°0'0"N-	ASSAMAII stages	Jan Jan	 Protect poultry houses from extreme wind by covering with polythene sheets on the sheds. Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be change periodically and provide clean drinking water and changed the water every day.
25°30'0"N-	DAMARICOE COORTO LAMBICOE COORTO C	ST COccidiosis	 Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. Provide plenty of fresh and clean drinking water.
25°0'0"N-	ANGLADESH	Ranikhet disease	Provide coccidiostatic like Amprolium @ 25-65 mg/kg feed once a day as a preventive measure against coccidiosis.
		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 STATE GIS (MEGHAL		SCALE 1: 1,350,000 30 60 9	• Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose.
90°0'0"E	90°30°0"E 9	1°0'0"E 91°30'0"E	 In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
		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	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.

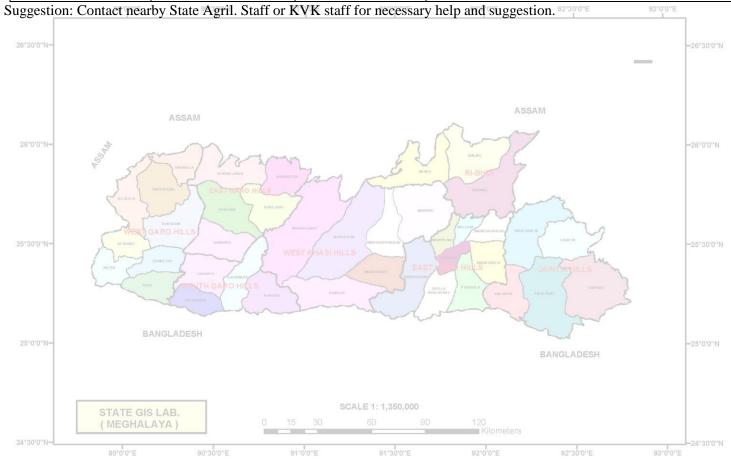


ICAR Research Complex for NEH Region Umroi Road, Umiam - 793 103 Meghalaya



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		Quarter	
Fishery			
Common carp	Fry stage/Advance fry		 Fry stocking Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor Carp	Brooders C & F	RD BLOCK MAP OF ME	Brood stock maintenance Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved BHALAYA oxygen.





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



Dated: 05/05/2017

92°30'0"E

Undertake seed treatment with Carbendazim 50% WP @

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RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – SOUTH GARO HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 25.0mm for the next five days. Maximum Temp: 29-32°C, Minimum Temp: 19-20°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 89-96%, Minimum RH: 55-71%, Wind speed: 7-9 Kmph, Wind direction: Eastern.

Weekly cumulative rainfall: 25.0mm

Sowing to

Maize

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days

Make proper drainage in the crop fields

Main Crop/
AssStage Pest/Diseases Agricultural Advisories

Animal /Fisheries

High & Mid	altitude	Emergence	MAKUTIA TO THE	2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before
Region	5	DADENGONI EAST GARO HIALS	Jes (Mayor	sowing to protect from diseases.
	SELSEILA	S ROMGE TO ROMGE	7 4	• Sow 2 seeds per hill at a spacing of 60×30 cm followed
	3	NOMEDIAM ASSESSMENT	1 1 1 5	by thinning at 10 days after germination & retaining one
	WE	GARO HILLS	MONOSTON (seedling per hill.
25°30'0''N-	BETASING	SAMAHBA	WEST KHASI HILLS	Do earthing up. -25°30'0"N -25°30'0"N
	1 min	CAMIFERE /		• Mulching with materials like paddy, straw, grasses, dry
	3 -2	CHOXPOT	A service of	tree leaves, etc. can be done in order to conserve
	~	MONOR MONOR	RAHBOR	moisture, suppress weed growth, reduce soil loss etc.
Bottle Gourd		Sowing to	- June	• Prepare pits of size 60cm x 60cm x 60cm for sowing of
		emergence		bottle gourd & apply 15-20kgs well rotten FYM in each
25°0'0"N-		BANGLADESH		pit.
				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.
	V500000000000		SCALE 1: 1,350,0	• Mulching with locally available materials like straw,
	STATE	GIS LAB.	15 30 60	grasses may be done to reduce evaporation loses.
Ash Gourd &	(IVILOI	Sowing to		Ash gourd & Pumpkin to be planted at plant to plant 3m
Pumpkin	90°0'0"E	emergence	91°0'0"E 91°30'0"	and row to row 1.5m spacing. Apply 15-20kgs FYM/pit
				of size 60cm x 60cm. Sowing of 2-3 seed in each pit.
Brinjal/Chilli		Nursery		Nursery bed preparation
		preparation to		• Prepare raised bed & apply FYM @ 4 kg/m2. Make
		transplanting		rows of 10 cm distance along the width of the bed with
				the help of bamboo stick. Sow the seeds at 1-2 cm deep
				in the line & covered with sieved FYM, sand and soil
				mixture. Covered the bed with dry grass/paddy straw or
				polythene for 3-5 days to induce early germination of
				seeds. Irrigate the bed every day. Removed the mulch
				material as soon as sprouts occurs. Seedlings of 30-35
				days old can be transplanted in the main filed.
				Recommended varieties:
				Chilli – Pusa jwala & Local





90,0,0	E 90°30'0''E	& RD BLOCK MAP OF 191°30'0".	 Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local Recommended seed rate Brinjal: 500 g / ha Chilli: 500-1000 g / ha Seed treatment Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
Ginger/Turmeric 26°0'0"N- 25°30'0"N- Tomato 25°0'0"N-	Seed bed preparation/Sowing ASSAM BOULDANK BOOKERS CARRELINGS CARRELINGS	MAPPOPTERE MONGS TON MONTRAR RADIAN WEST IGHAS I HILLS	 Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water. After field preparation HYV's of ginger/turmeric like Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted. Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% & plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm. Complete sowing before 20th April. Mulch the sown bed of ginger for soil and water conservation, and also to reduce weed growth. Mulching materials like green leaves, dry grass, paddy straw etc. may be used. Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening & irrigate immediately.
Khasi Mandarin	GIS LAB. ALAYA)	SCALE 1: 1,350,0 15 30 60 91°00"E 91°30'0" Powdery Mildew	• Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86
Animal Sciences Poultry	All stages		Protect poultry houses from extreme wind by covering with polythene sheets on the sheds.



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>

	C	Coccidiosis Ranikhet disease RD BLOCK MAP OF	 Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clear drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. Provide plenty of fresh and clean drinking water. Provide 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 (IEGH drop) at the age of 4-7 days old and 35 days old through
0000101	E 00°20'0'!E	DATE DESCRIVIAL OF T	eye and nostril.
Piggery	All stages	31 311	 Vaccinate all newly born piglets against swine fever a the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with FMD vaccine once in a year. Iron supplementation in piglet to prevent from pigle anaemia during 1st week of age.
	ASSAM	Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months calves	Brucellosis Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	 Vaccinate 6-9 months old calves with Brucella abortule cotton strain-19 @ 5ml subcutaneous on the neck on the neck of the Undertake regular immunization of cattle & buffaloe against Foot & Mouth disease, Haemorrhagie septicaemia & Black Quarter.
Fishery	SAMAHUA	MOWGSTORM MANUTHAD RAISHAM	LADITHI —25°30'0"N
Common carp	Fry stage/Advance fry	RANGOS SECURIOS SECUR	• Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor Carp	Brooders		Brood stock maintenance Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins). Regular monitoring of PH and dissolved oxygen.

90°30'0"E

91°0'0"E

91°30'0"E

92°0'0"E



Main Crop/

GRAMIN KRISHI MAUSAM SEWA

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



Dated: 05/05/2017

92°30'0"E

Agricultural Advisories

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

RC (AE)/30/2011/ Bulletin/May'2017/10

Agro Advisory Bulletin – SOUTH WEST GARO HILLS (Period 6th – 10th May, 2017)

Weather forecast valid up to 10th May, 2017

The possibility of Rainfall is 19.0mm for the next five days. Maximum Temp: 30-33°C, Minimum Temp: 20-21°C, Cloud cover: sky will be mainly cloudy i.e. 5-6 Okta, Maximum RH: 89-91%, Minimum RH: 52-64%, Wind speed: 4-8 Kmph, Wind direction: Northeast-East.

Weekly cumulative rainfall: 19.0mm C&RDB

C & RD BLOCK MAP OF MEGHALAYA

Agro meteorological Advisories for coming 5 days —

Pest/Diseases

Make proper drainage in the crop fields

ASS Stage

Animal /F	Fisheries			
Maize	AM	Sowing to		 Undertake seed treatment with Carbendazim 50% WP @
High & M	id altitude	Emergence	W &	2g/ kg or Captan 50% WP @ 2.5g/Kg of seed before
Region	500	NESUDE LIVARA	LE TO THE STREET	sowing to protect from diseases.
	- Serveria	BAST GARO HILLS	as WITT	• Sow 2 seeds per hill at a spacing of 60×30 cm followed
	1	SONGER T RONGE		by thinning at 10 days after germination & retaining one
		ST GARO HILLS	Marrier /	seedling per hill.
25°30'0"N-	DETASHG	SAMAHUA	MONGSTON MANTHADILABIHAN	Do earthing up. -25°30'0"N -25°30'0"N
	1	GAMIEGRE S	WEST KHASI HILLS	Mulching with materials like paddy, straw, grasses, dry
	S MANN	CHOKPOT PACHMARA	I man by	tree leaves, etc. can be done in order to conserve
		DALI GARO HILLS	RANDOR	moisture, suppress weed growth, reduce soil loss etc.
Bottle Gour	rd	Sowing to	- Land	• Prepare pits of size 60cm x 60cm x 60cm for sowing of
		emergence		bottle gourd & apply 15-20kgs well rotten FYM in each
25°0'0''N-		BANGLADESH		pit.
IOLESCON OCIAN				• 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.
			SCALE 1: 1,350,0	• Mulching with locally available materials like straw,
	/ MECH	GIS LAB.	15 30 60	grasses may be done to reduce evaporation loses.
Ash Gourd	&	Sowing to		Ash gourd & Pumpkin to be planted at plant to plant 3m
Pumpkin	90°0'0"E	emergence	91°0'0"E 91°30'0"	and row to row 1.5m spacing. Apply 15-20kgs FYM/pit
				of size 60cm x 60cm. Sowing of 2-3 seed in each pit.
Brinjal/Chi	lli	Nursery		Nursery bed preparation
		preparation to		• Prepare raised bed & apply FYM @ 4 kg/m2. Make
		transplanting		rows of 10 cm distance along the width of the bed with
				the help of bamboo stick. Sow the seeds at 1-2 cm deep
				in the line & covered with sieved FYM, sand and soil
				mixture. Covered the bed with dry grass/paddy straw or
				polythene for 3-5 days to induce early germination of seeds. Irrigate the bed every day. Removed the mulch
				material as soon as sprouts occurs. Seedlings of 30-35
				days old can be transplanted in the main filed.
				Recommended varieties:
				Chilli – Pusa jwala & Local
			<u>l</u>	Chini I aba j wata & Bocar





90°0°0	C 90°30'0"E	& RD BLOCK MAP OF I	 Brinjal – Arka Nidhi, Singh Nath, Bhola Nath & local Recommended seed rate Brinjal: 500 g / ha Chilli: 500-1000 g / ha Seed treatment Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g / kg of seed or Azospirillum @ 40 g / 400 g of seeds using rice gruel as adhesive. Start transplanting of brinjal seedlings. 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. Apply neem cake at the pit of transplanting.
Ginger/Turmeric	Seed bed preparation/Sowing		 Select sandy loam type of soil for cultivation. Farmers are advised to make raised bed of size 1m width, 15cm height and of convenient length and channels for draining excess rain water. After field preparation HYV's of ginger/turmeric like
26°0'0"N-	PARCHOGRI EASTONO HISS SONGLAM SONGLAM SONGLAM	MACOTO PARA MACOTO MACO	Turmeric: Lakadong, RCT-, Megha Turmeric-1; Ginger: Nadia, Poona, Riodegenerio, etc. should be planted. Seed rate- Turmeric: 2000-2500kg/ha. Ginger: 1400-1600 Kg/ha Before sowing treat the seed rhizomes with Indofil M - 45 or Captaf @ 0.3% & plant at a spacing of 25cm x 25-30cm and turmeric at 40-45cm X 25cm.
25°30'0"N-	CAMBIGAE CHOSPOT ENCHANCIA SALI SALI SALI SALISAS ENCHANCIA SOCIOR SOCIO	WEST ISHA SI HILLS	 Complete sowing before 20th April. Mulch the sown bed of ginger for soil and water conservation, and also to reduce weed growth. Mulching materials like green leaves, dry grass, paddy straw etc. may be used.
Tomato 25°0'0"N=	Transplanting to early vegetative growth	SCALE 1: 1,350,0 15 30 60	 Transplant of seedlings of age 25-30 days old in beds at a spacing of 75× 45cm in the evening & irrigate immediately. Apply 86 kg/ha urea (1/3 N), 375kg SSP & 83kg MOP as basal dose either just before transplanting or 5-10 days after transplanting. Apply the remaining 2/3 N (86 kg/ha urea) at 20 and 45 DAT. Gap filling has to be done at 7th day after transplanting
Khasi Mandarin	90°30'0"E	Powdery Mildew	 Application of Bordeaux mixture on tree trunk must be completed before the rain occurring. Control of leaf miner by spraying Ekalux (1.5m/l) on new flush. Spray Sulfex E 2.5 g/litre of water during flush. Nutrient application: Apply 30kg FYM/Tree 650 g Urea: 1220 g SSP: 450 g MOP/tree.
Animal Sciences Poultry	All stages		Protect poultry houses from extreme wind by covering
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Tin stages		with polythene sheets on the sheds.



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	C	Coccidiosis Ranikhet disease RD BLOCK MAP OF N	 Provide vitamin B complex @ 7ml/litre in drinking water daily in broiler for healthy growth. Litter should be changed periodically and provide clear drinking water and change the water every day. Diseased and dead birds should be immediately removed. Regularly inspect the dropings of the poultry birds for any diseases symptom. Provide plenty of fresh and clean drinking water. Provide 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 EGH drop) at the age of 4-7 days old and 35 days old through eye and nostril.
Piggery 26°30'0"N-	All stages	91°30'0"E 91°30'0"E	 Vaccinate all newly born piglets against swine fever at the age of 3 months followed by annual booster dose. In epidemic areas, vaccinate 6 months old pigs with
		Chininfortian	 FMD vaccine once in a year. Iron supplementation in piglet to prevent from piglet anaemia during 1st week of age.
C 44 0 D 66 1	6-9 months calves	Skin infection	Provide Ivermectin (Injection) @ 10mg/33kg body wt.
Cattle & Buffaloes	6-9 months carves	Brucellosis	Vaccinate 6-9 months old calves with <i>Brucella abortus</i> cotton strain-19 @ 5ml subcutaneous on the neck
26°0'0"N-	CARRORAM ROMERAM RO	Foot & Mouth Disease, Haemorrhagic Septicaemia, Black Quarter	Undertake regular immunization of cattle & buffaloes against Foot & Mouth disease, Haemorrhagic septicaemia & Black Quarter.
Fishery	SAMARIDA	MONICSTONN MANYTHAD RAISHAM	-25°30'0"N
Common carp	Fry stage/Advance fry	EASE OF THE PARTY	• Once Common carp fry attained (5-6cm) it can be harvest and transferred to rearing ponds.
Major Carp/Minor	Brooders	- Land	Brood stock maintenance
Carp 25°0'0"N-	BANGLADESH		 Provide sufficient feed to the brooder for proper egg development (Rice bran, mustard oil cake, fish meal, minerals & vitamins).

90°30'0"E

91°0'0"E

91°30'0"E

92°0'0"E