

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Cumphati)

Guwahati)



District: Kolasib

Bulletin No: - 814/2018/ Bulletin/Mizo

Date of issue: 07th August, 2018

Period: 08 August - 12 August, 2018

	S 1	P.	4.1			
Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	16	16	42	23	25	
Max Temp (°C)	32	32	32	31	32	
Min Temp (°C)	23	24	25	24	25	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	99	100	100	100	
Min RH (%)	52	56	80	85	71	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	E	E	E	E	N-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
		30, 2018 (Percent			nthesis)	
Aizawl- 383.68mm		i- 239.49mm	Saiha- 109.52 m		352.38mm	
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)	
Lawngtlai-321.51mm		-344.00mm	Mamit-449.48m		-411.72mm	
(285.5mm)		(186.21mm)	(442.80n		(25.9mm)	
Weather summary of	of the past	08 th August –	12 th August,	2018 chhur	nga sik leh	
three day	s	sa dinhmun tur tlangpui				
Maximum Tem. (°C):2	8-200C				i the might	
Minimum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
		tura beisei a ni. Khua a lum lai berin 31-32ºC a ni ang a. A				
Maximum RH (%):88-	000/	vawh lai ber in 23-25°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 52-85% ni tur a rin				
Minimum RH (%):77-		berin 99-100%	leh a hniam la	i berin 52-85%	ni tur a rin	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi darl	kar khatah 2 ki	m vela chakin c	hhaklam awi	
Cloud cover: Mainly o		zawngin a tleh	rin a ni. A tla	ngpujin tun ni	nga chhung	
Wind speed: 3.00 km	/ пг	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 64.4 mm		Weekl	u oumulativo i	ainfall: 122.0	mm	
		WEERL	y cumululive i	unjun. 122.0		
		North East Region				
NDVI for Mizoram			5 5	condition oc	curs in all	
		AT2 ==	districts of	Mizoram.		
		- DUGA				
		23,8				
		CT-	- George			
		- A	No. 1			
		Agriculture eigner is moderate over some of the pe- region.	ts Narth			
		N N	1000			
		1 C	1		1 Page	

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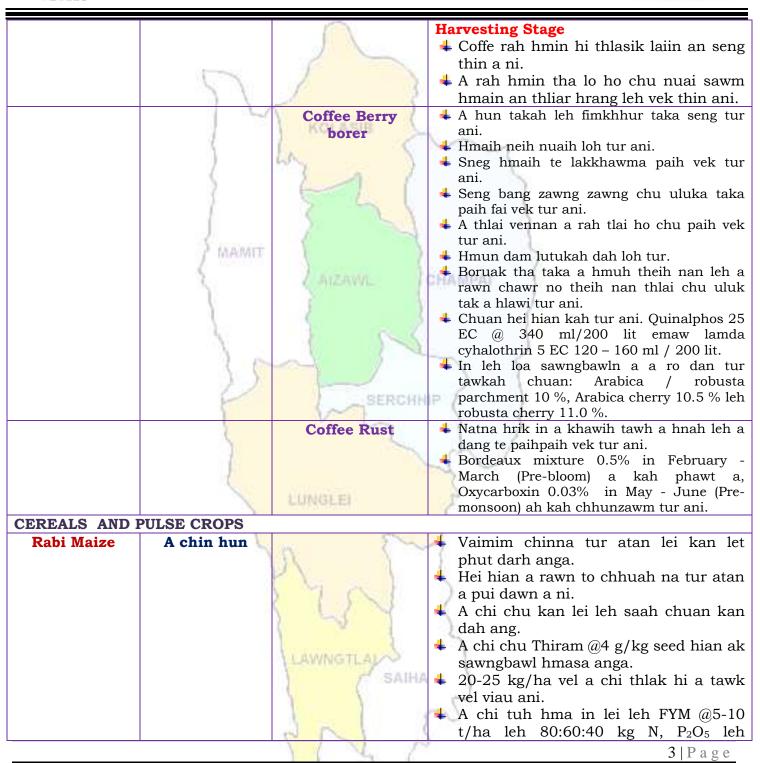


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	•		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		Thomas 2	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
		1 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3.0	Z ATZAWIL /	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1.1.2	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5.0	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
	1	FILIT IYERCHN	rah tan tirin chawlhkar hnih chhung chu
	1	Y La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	energy second l	Nursery stage
		C	+ Thlai chi thlak hma in Azospirillum leh
		n (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		M ALL	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		- SAIHA	
		1 1	Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	1	N N I	
		VIV A	2 P a g e
			211 450



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ICAR			
	5	\sum	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CR	Sowing stage	AIZAWA	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



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tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1				
Image: Same series Image: Same series Image: Same se				
Chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1			Contraction and Contraction	
Mancozeb @ 2gm ah tui leter 1				
			C SAIHA	8 8
nawiha kah fur ani				
pawina han tai ani,				pawina kan tur ani.
5 Page			C N	51D



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAL
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	6 P a g e



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	5	\sum	 Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga :
	measures	6	1-6 ah F1 vaccine pek tur ani a, chua
		1 2)	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1		B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium
	FMAMIT		coccidiostat
	Z. 1055005	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	GHAMPAI }
	Monitoring (Sangha enkawl)		 tur an a, ninuar atang a tur to nisea thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh ti dang in dil buatsaih tur ani. Sangha te natna lak atangin an him ei tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, dilt enfiah vat tur ani. A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		P N N	715
			7 P a g e

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Guwahati)



District: Lawntlai

Bulletin No: - 814/2018/ Bulletin/English

Date of issue: 07th August, 2018

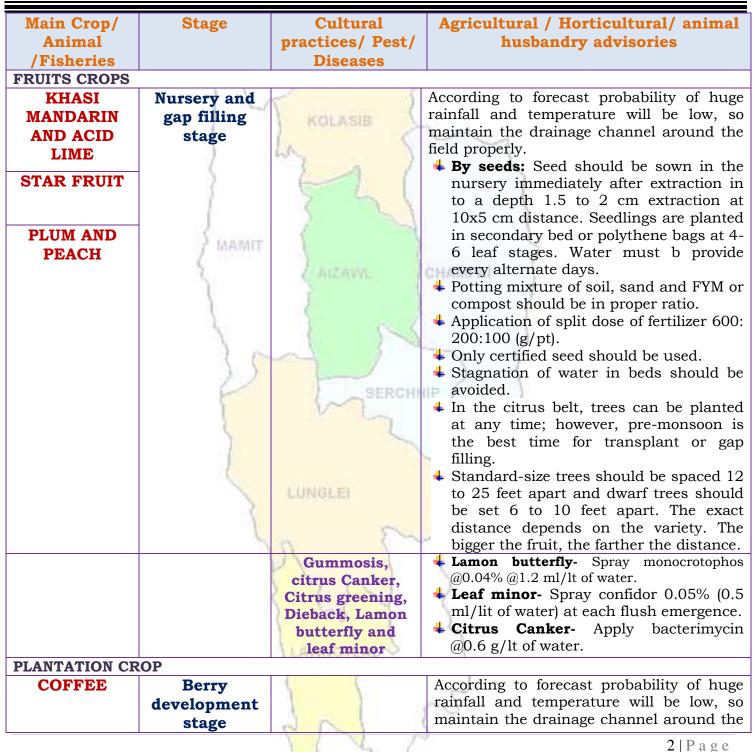
Period: 08 August - 12 August, 2018

	1. 1	P	S.		
Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018
Rainfall (mm)	4	13	15	10	11
Max Temp (°C)	30	30	30	29	30
Min Temp (°C)	14	14	15	15	16
Cloud Coverage	Partially clear	· Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	98	99	98	99
Min RH (%)	57	57	92	73	59
Wind Speed (KmpH)	2	2	4	2	2
*Wind Direction	E	S-E	S-E	E	S-E
Northe	rly- N, North	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm	Champhai (Lunglei-	250.30mm) 344.00mm N	aiha- 109.52 mm (87.2mm Iamit-449.48mm	h Kolasib-) Serchhij	352.38mm (380.9mm) p-411.72mm
(285.5mm)		186.21mm)	(442.80mm		(25.9mm)
Weather summary of three day Maximum Tem. (°C):2	s	Weather foreca	August,	2018.	
Minimum Tem. (°C):1 Maximum RH (%):94- Minimum RH (%):72-9 Wind Direction: South Cloud cover: Mainly of Wind speed: 3.05 km Rainfall: 34.1 mm	7-19°C 99% 91% heasterly cloudy	next 5 days. The the next 5 day Maximum relativ 99% and minin would be east southeasterly w Mainly cloudy sk	maximum and s may range re humidity is num may from erly to south ith the wind s cy will prevail d	l minimum tem for 29-30°C a expected in the m 57-92%. Wi neasterly to e speed of 2-4 k	peratures for and 14-16°C. range of 98- ind direction easterly and m per hour. five days.
NDVI for Mizoram		Apriculture signer is moderate over some of the	Mildly dry districts of	condition oc Mizoram.	ccurs in all
		612	P		1 P a g e
			Di		Illage



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			field properly.
			Coffee should be grown as a single stem
			system. Pruning is required to:
			Supply good healthy wood for the next
	2. 6	1 2	season's crop;
	L.		♣ maintain the correct balance between leaf
		KOLASIB	area and crop;
	1	E. S	Prevent overbearing and dieback;
	1	W 7 2 7	 Reduce biennial bearing;
			6
	1		4 Maintain good tree shape.
		5. 54	De suckering-
	Remains		De-sucker to maintain a single stem system
	J' MAMIT	$\langle \rangle$	and avoid competition from suckers
	5	AZAWAL 1	4 Remove 'fly crop' fruit (early fruit which
	1	Aller Aller	compete with strong plant/root
))	development) as they appear.
	200	S G L	Weeding
	1		 Weeding or basin clearing must be done for better growth and
			done for better growth and development.
Rubber	Transplanting		According to forecast probability of huge
Kubbel	_	SERCHN	rainfall and temperature will be low, so
	and gap filling	Vita	maintain the drainage channel around the
	ming		field properly.
			Start planting newly established place.
	1		4 Weeding must be done.
		LUNGLEI	Apply 10-12 kg of well rotten organic
	2	Print Contraction (manure and 225 gm rock phosphate
	1	1994 C	should be apply at time of planting to
	5	n (~~	each pit as basal dose application.
			Basin clearing of all established plant.
		M Real	Rain cap can use for tapping plant
			4 Start intercropping in newly
0:1	XI		established orchard.
Oil plam	Vegetative/		According to forecast probability of huge rain and temperature will be low, so
	Harvesting	LAWNGTLAL	maintain the drainage channel around the
	stage	J AIHA	field properly.
			↓ 10-12 kg of well rotten organic manure
			and 225 gm rock phosphate should be
L	1	201	



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apply at time of planting to each pit as basal dose application. Provide irrigation every alternate day or use straw mulch. Basin clearing of all plant. **4** Rain cap can use for tapping plant KOLASIB intercropping Start in newly established orchard. ✤ Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. **Passion Fruit** Vegetative According to forecast probability of huge rain and temperature will be low, so stage MAMIT maintain the drainage channel around the field properly. + Trail semi hard wood stem to bower structure Clean near the base of the plant. **4** According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the SERCHNE field. Proper drainage should be maintained. Make channel to drain out excess water. Medium to young seedling should be support by bamboo stake. **CEREALS AND PULSE CROPS** Maize **Physiological** 4 According to forecast probability of huge rain and temperature will be low, (Jhum) maturity so maintain the drainage channel stage around the field properly. Harvest all the mature cobs. 4 To reduce grain moisture proper drying is required. **4** Keep the cobs in dry place if sunlight will not be available Germination 4 According to forecast probability of Maize huge rain and temperature will be low, stage so maintain the drainage channel around the field properly.



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			👃 Gap filling is required due to poor
			germination percentage due to high
			rainfall.
			Weeding and fertilizer application
	2.1	1 5	must be done.
		5	Probability of stem borer infestation
		KOLASIB	will be high. Spray any systemic
	1		insecticide.
		LA.	
Kharif Rice	Transplanting	1 1 1	+ According to forecast and past weather
	stage		record, probability of rain will be high
	1	2 5 5	and temperature will be less. So soil
		$P \subset \mathcal{A}$	moisture should be maintained in the
	S anno		field. Proper drainage should be
	J MAMIT	X 2	maintained. Make channel to drain out
	5	LAIZAWAL 10	excess water.
	1	damentar in	4 Water level shall be maintained for
	1	5	better transplant.
	A	Sec. 2	Plough the field two to three times.
	1	1 15	4 According to forecast probability of rain
	1		will be moderate to high and
	100		temperature will be less so run off and
	12		proper drainage should be maintained
	1	SERCHNE	in the field.
		No. Long	4 Transplant 2-3 seedlings in one place
	5		for avoid gap filling.
			↓ Spacing should be 20 cm row to row
			and 15 cm plant to plant.
	100	All factors and	4 Keep some seedlings in nursery or
	N	LUNGLEI	corner of the field for gap filling.
Jhum Rice	Vegetative		 According to forecast probability of less
onum Mee	-	-	rain and temperature will be high, so
	stage	11	maintain soil moisture in the field
			properly.
		NY COL	↓ Earthing up soil for better growth and
			stability in root zone.
			↓ Use split dose of any nitrogenous
		1	
Whomif mulaos	0	LAWNGTLAN	fertilizer for better growth.
Kharif pulses	Germination	/ SAIHA	According to forecast probability of hugo rain and temperature will be low
(Green gram, Plack gram and	stage		huge rain and temperature will be low,
Black gram and			so maintain the drainage channel
Rajma)		N R	around the field properly.
		6 N 12	5 D o o o
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	\sum	 Gap filling is required due to poor germination percentage due to high rainfall. Weeding must be done to reduce crop weed computation.
VEGETABLE CR		KOLASIH	
Ginger and turmeric	Sowing stage	AIZAWL	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage		 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage		 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil
		P N N	
			6 P a g e



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	7	 moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. Fruit fly In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Colocasia	Sowing stage	 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI		
Pig	All stages	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
		7 Page



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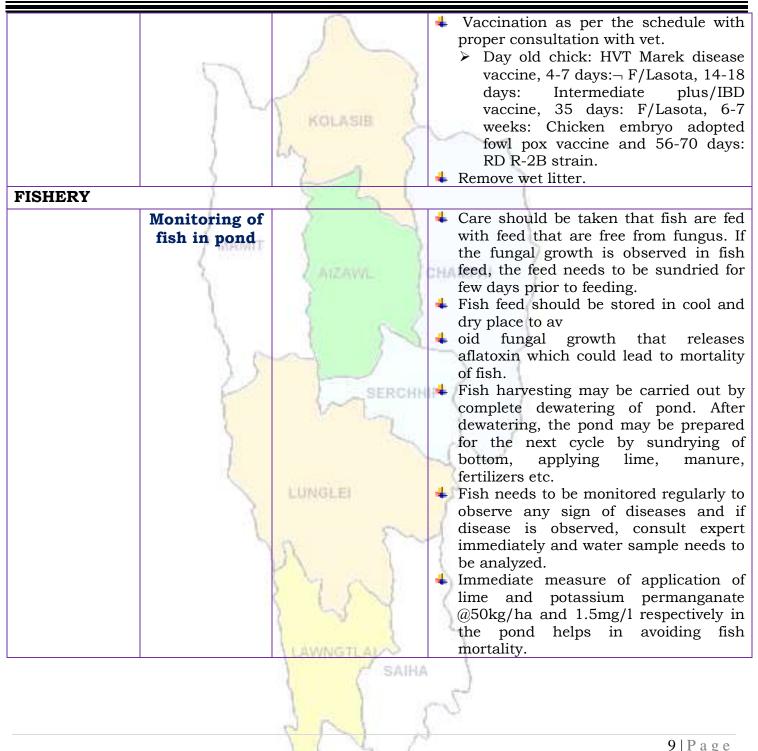
	7	Porcine Reproductive Respiratory Syndrome (PRRS).	 vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group	LUNGLEI	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be
Poultry	All age group	LAWNGTLAL	 teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
		VIV C	8 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)





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LAWNGTLA SAIHA

10 | P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Lawngtlai

Period: 08 August - 12 August, 2018

Bulletin No: - 814/	2018/1	Bulletin/	Mizo
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Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018		
Rainfall (mm)	4	13	15	10	11		
Max Temp (°C)	30	30	30	29	30		
Min Temp (°C)	14	14	15	15	16		
Cloud Coverage	Partially clear	· Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	98	99	98	99		
Min RH (%)	57	57	92	73	59		
Wind Speed (KmpH)	2	2	4	2	2		
*Wind Direction	E	S-E	S-E	E	S-E		
Northe	rly- N, North-	Easterly- N-E, Ea	asterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , W	esterly-W, North	n-westerly- N-W.			
		-30, 2018 (Percen					
Aizawl- 383.68mm	Champha	ui- 239.49mm	Saiha- 109.52 m		352.38mm		
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm	Lunglei	-344.00mm	Mamit-449.48m		p-411.72mm		
(285.5mm)		(186.21mm)	(442.80n		(25.9mm)		
Weather summary	-	08thAugust -	· 12 th August,	, 2018 chhur	ıga sik leh		
three day	S	sa dinhmun tur tlangpui					
Maximum Tem. (°C):2	27-30°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A					
Maximum RH (%):94-		Ŭ					
Minimum RH (%):72-		vawh lai ber in 14-16°C ni tura beisei a ni. RH san lai					
Wind Direction: Sout		berin of 98-99% leh a hniam lai berin 57-92% ni tur a rin					
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam					
Wind speed: 3.05 km	· · · · · · · · · · · · · · · · · · ·	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed. 0.00 kin	/	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 34.1 mm							
		Weekly cumulative rainfall: 53.0mm					
			.				
NDVI for Mizoram		North East Region 24	Moderately	wet mildly dr	v/mildly_wet		
		~~ =-	conditions	wet minuty ut	y mining wet		
		5022	conditions				
		Son a	1				
		200	1				
		A.A.	- J				
		Agriculture signer is moderate over some of the	iers North				
		a NI	5				
		11V	12		1 Page		



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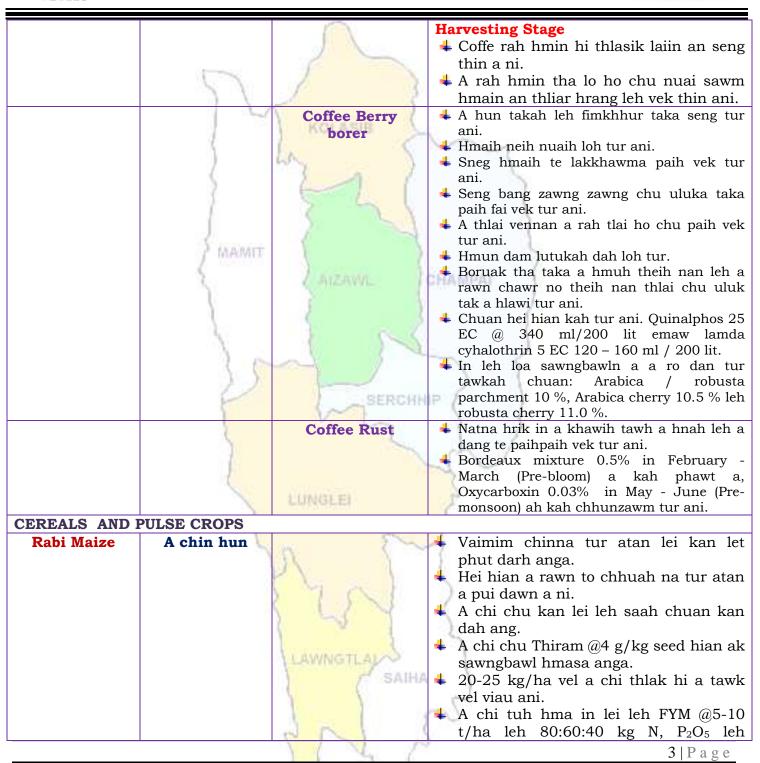


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	velah dahkhawm tur ani.
LIME)	LA.	4 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5 (taka pek hian a rah tla tur chelh nan
	20	Z ATZAWIL /	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	10 B		10 g/l.
PLANTATION CR			
COFFEE	All stages	and the second s	Nursery stage
	1	1990 C	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5	n Tro	Phosphobacterium a enkawl tur ani.
		31 1	🔸 A chi hi December – January ah hmun
		Char See V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2 P a g e



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	2	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CRO	Sowing stage	AIZAWAL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		10 10 11	



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Onion and	Numerous	KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	100000	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
		900	510
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		6 N 2	6 P a g e



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	5	\sum		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	En S	~	1-6 ah F1 vaccine pek tur ani a, chuan
	1	~~ ~)		a puitlingh chuan R ₂ B vaccine pek tur
	2			ani.
		Ath	-	B complex with antibodies
		4 th weeks	+	Coccidiosis - Amprolium or
	MAGMIT	A Eth We she		coccidiostat
	Z 00550003	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	1	(ATZAWIL)	GHP	IMPAI
	Monitoring	1	+	Sangha te hi chaw a hmuar kai lo
	(Sangha	Star I and		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	20		-	a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turii
	1)		—	hmun ro leh uap lutuk lo ah dahtha
	8	SERCHN	P	tur ani a, hmuar atang a tur lo insean
		Nº La		thin, aflatoxin avang a sangha thi lal
	6			atangin sangha a him phah thin.
	1		4(Dil sah kang veka sangha man thi
	- E		-	hian a kumleh a sangha khawinan a d
		LUNGLEI		buatsaih a ti awlsam a, dil mawn
	2	Provide Andrews	1	phoro, chinai phul, leitha hman leh tu
		100.00	-6	dang in dil buatsaih tur ani.
	5	n ?~	+	Sangha te natna lak atangin an him en
			10	tih enfiah fo a tha a, natna hmuh anil
		My Real	1	chuan mithiam te rawn vat a, diltu
			1	enfiah vat tur ani. A ranglam a chinai @50kg/ha lel
		2 20 1		tuisen $@1.5mg/l$ diltui a hman hiai
		Anna and and a second	1.1	sangha natna avang a thi tur lal
		LAWNGTLAU		atangin a veng thei.
		SAIHA		5 5
			~	2
		8 N 3)	715
				7 P a g e

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8 | P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Lunglei

Period: 08 August - 12 August, 2018

Bulletin No	814/2018/ Bu	lletin/English

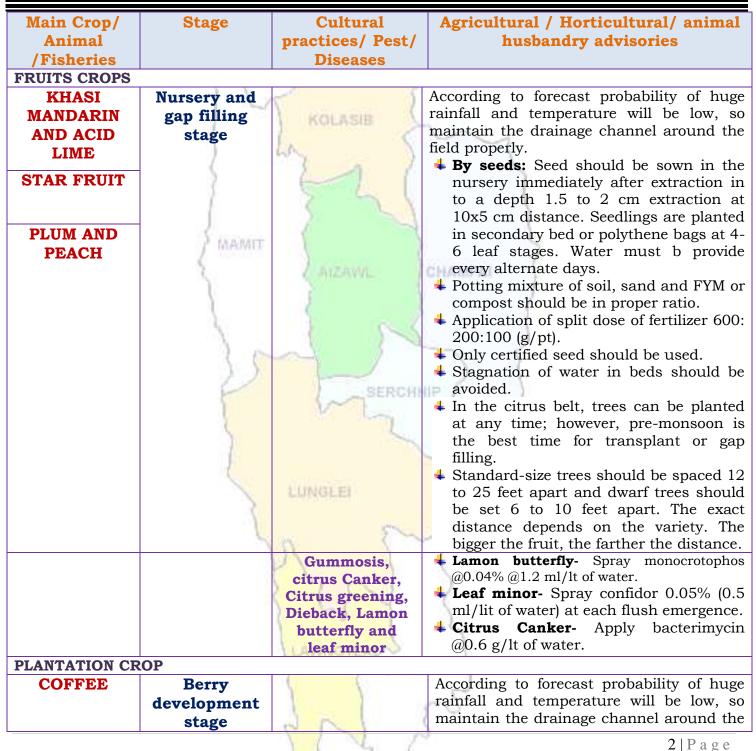
Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	9	18	7	7	16	
Max Temp (°C)	32	32	32	31	32	
Min Temp (°C)	23	24	25	24	25	
Cloud Coverage	Partially clear	• Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	100	100	
Min RH (%)	52	53	94	77	56	
Wind Speed (KmpH)	3	2	2	2	2	
*Wind Direction	E	S-E	E	E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
		-30, 2018 (Percent				
Aizawl- 383.68mm	-		aiha- 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>		p-411.72mm	
(285.5mm)		186.21mm)	(442.80mm	· · · · · · · · · · · · · · · · · · ·	(25.9mm)	
Weather summary	of the past	Weather foreca	ast valid from	O8thAugust , 20	018 To 12 th	
three day	s		August,	2018.		
Maximum Tem. (°C):2	23-27°C	There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1	5-17°C	next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):99-	100%	the next 5 days may range for 31-32°C and 23-25°C.				
Minimum RH (%):74-		Maximum relati				
Wind Direction: Sout			0	-	U	
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·	100% and mini				
Wind speed: 3.12 km	· · · · · · · · · · · · · · · · · · ·	would be east				
	/	southeasterly wa	ith the wind s	speed of 2-3 k	m per hour.	
Rainfall: 39.2 mm		Mainly cloudy sky will prevail during the next five days.				
		Weekly cumulative rainfall: 57.0 mm				
NDVI for Mizoram		North East Region		condition of		
			districts of		curo in un	
		-33	uistricts of			
		and a				
		Carley -	21			
		CALL I				
		. A =				
		Agriculture vigour is moderate over some of th region.	e perta			
		6 1	2			
		1 4	6		1 P a g e	



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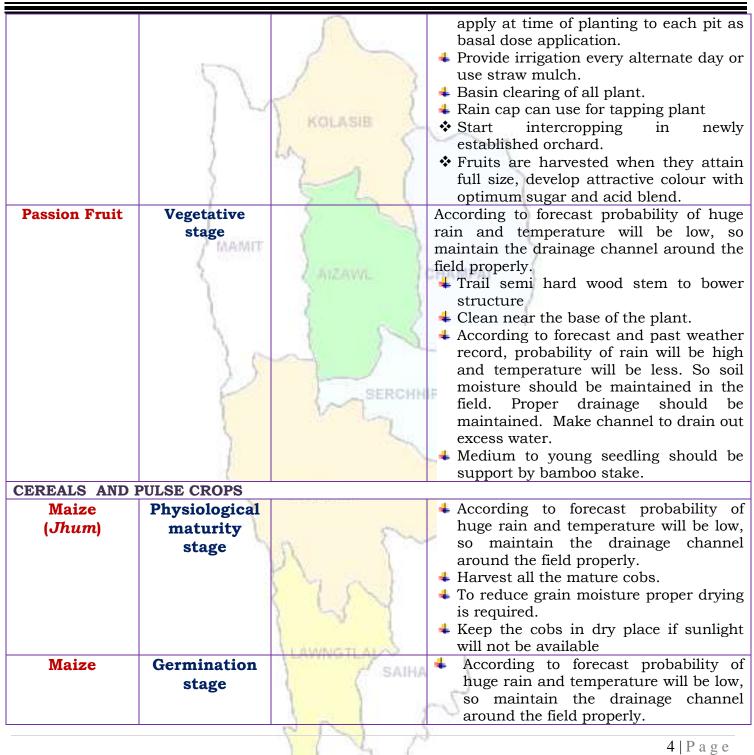


			field properly.
			4 Coffee should be grown as a single stem
			system. Pruning is required to:
		1	4 Supply good healthy wood for the next
	1 6	1 2	season's crop;
	L.	N I I I I I I I I I I I I I I I I I I I	♣ maintain the correct balance between leaf
		KOLASIB	area and crop;
	1	En S	Prevent overbearing and dieback;
	1	w 7 2 7	 Reduce biennial bearing;
			 Maintain good tree shape.
	2	5 5	De suckering-
	1	5 54	
	Remain	(De-sucker to maintain a single stem system and avoid competition from suckers
	/ MAMIT	X 2	•
	5	LAIZAWL I	4 Remove 'fly crop' fruit (early fruit which
			compete with strong plant/root
		1	development) as they appear.
	20	1 all	Weeding
	- X		Weeding or basin clearing must be done for better growth and
	2.0	~ /	development.
Rubber	Transplanting		According to forecast probability of huge
Rubbel	and gap	SERCHN	rainfall and temperature will be low, so
	filling	Nº La	maintain the drainage channel around the
	ming		field properly.
	10		4 Start planting newly established place.
	A.		Weeding must be done.
		LUNGLEI	
	5	LUNGLEI	 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
	3	LUNGLEI	 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
	2		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
	2		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant.
	5		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant
			 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly
Oil plam	Veretative		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard.
Oil plam	Vegetative/	M	 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge
Oil plam	Harvesting		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so
Oil plam	-	M	 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
Oil plam	Harvesting		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.
Oil plam	Harvesting		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
Oil plam	Harvesting		 Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly. 10-12 kg of well rotten organic manure



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		<u> </u>	Gap filling is required due to poor germination percentage due to high
			rainfall.
			4 Weeding and fertilizer application
	21	1 2	must be done.
	1	V commenter de la commente de la comment	4 Probability of stem borer infestation
		KOLASIB	will be high. Spray any systemic
		En S	insecticide.
Kharif Rice	Transplanting	3 1	+ According to forecast and past weather
	stage		record, probability of rain will be high
	1	2 21	and temperature will be less. So soil moisture should be maintained in the
	J.		field. Proper drainage should be
	AMAMIT		maintained. Make channel to drain out
	2 0000000		excess water.
	5	CAIZAWIL D	4 Water level shall be maintained for
		1	better transplant.
	5	Sec. and	4 Plough the field two to three times.
	1	1 55	4 According to forecast probability of rain
	2 6	~ 1	will be moderate to high and
))		temperature will be less so run off and
	1	SERCHN	proper drainage should be maintained in the field.
	1	V	Transplant 2-3 seedlings in one place
	5		for avoid gap filling.
	d.		♣ Spacing should be 20 cm row to row
	1		and 15 cm plant to plant.
		LUNGLEI	↓ Keep some seedlings in nursery or
	3	(The second s	corner of the field for gap filling.
Jhum Rice	Vegetative	550	According to forecast probability of less
	stage	1 1	rain and temperature will be high, so maintain soil moisture in the field
		100 6	properly. Earthing up soil for better growth and
		1 LI Y	stability in root zone.
		6 4 9	4 Use split dose of any nitrogenous
		LI DIMPLETT ALLOS	fertilizer for better growth.
Kharif pulses	Germination	- SAIHA	♣ According to forecast probability of
(Green gram,	stage	((Shillin	huge rain and temperature will be low,
Black gram and			so maintain the drainage channel
Rajma)		201	around the field properly.
		VIL P	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	57	\sum	 Gap filling is required due to poor germination percentage due to high rainfall. Weeding must be done to reduce crop weed computation.
VEGETABLE CR		KULASIN	
Ginger and turmeric	Sowing stage	AIZAWA	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Cucurbitaceo us crop	Fruiting stage		 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.
Chilli	Vegetative to flowering stage		 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil
		1 4 6	6 P a g e



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	7	Fruit fly	 moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	AIZAWA	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
Colocasia	Sowing stage		 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBE			
Pig	All stages	LAWNGTLAU	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
L		VINC	7 P a g e
		The second se	



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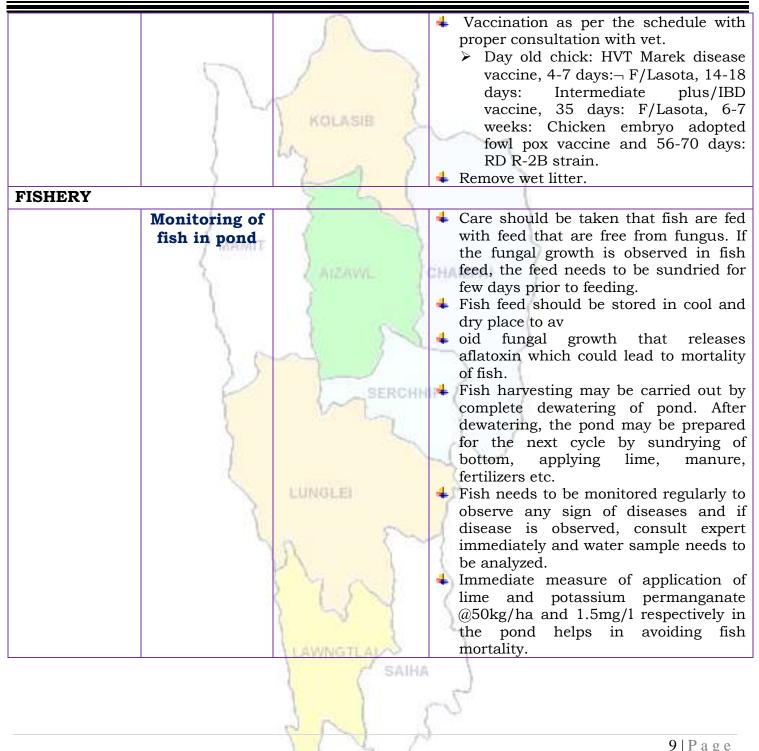


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	 vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group	LUNGLEI	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be
Poultry	All age group	LAWNGTLA	 teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
		11 L	8 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Lunglei

Period: 08 August - 12 August, 2018

Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018		
Rainfall (mm)	9	18	7	7	16		
Max Temp (°C)	32	32	32	31	32		
Min Temp (°C)	23	24	25	24	25		
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	100	100	100	100		
Min RH (%)	52	53	94	77	56		
Wind Speed (KmpH)	3	2	2	2	2		
*Wind Direction	E	S-E	E	E	S-E		
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	•		
Southe	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
		30, 2018 (Percent					
Aizawl- 383.68mm			Saiha- 109.52 m		352.38mm		
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm		344.00mm	Mamit-449.48m		-411.72mm		
(285.5mm)		(186.21mm)	(442.80n		(25.9mm)		
Weather summary	-	08 th August –	12 th August,	2018 chhur	nga sik leh		
three day	S	sa dinhmun tur tlangpui					
Maximum Tem. (°C):2	23-27ºC	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 31-32°C a ni ang a. A					
Maximum RH (%):99-		Ŭ					
Minimum RH (%):74-	000/	vawh lai ber in 23-25°C ni tura beisei a ni. RH san lai					
Wind Direction: Sout	hoostor!	berin 100% leh a hniam lai berin 52-94% ni tur a rin niin.					
Cloud cover: Mainly	aloudy	Thli hi darkar khatah 2-3 km vela chakin chhaklam awi					
Wind speed: 3.12 km		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind specu. 0.12 kill		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 39.2 mm							
		Weekly cumulative rainfall: 57.0mm					
NDVI for Mizoram		North East Region 24 Jun	Mildly dry	condition oc	curs in all		
		~~~ =-·	districts of				
		5000	uistricts of	111201 alli.			
		man del	-				
		201					
		AA TE	iner a				
		Agriculture eigner is moderate over some of the per-	s North				
		N N	350				
		1 / L	1		1   Page		

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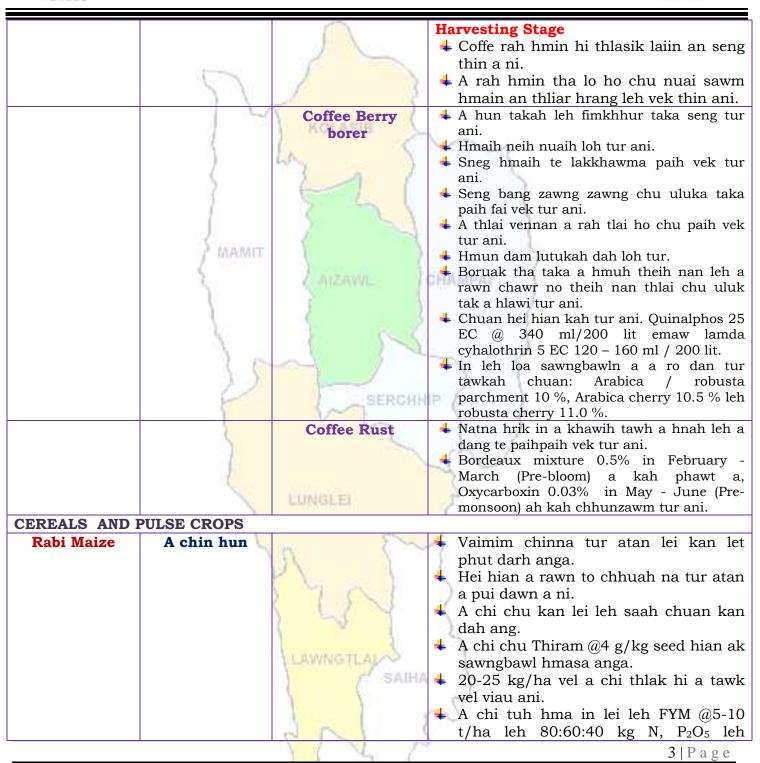


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		<u>.</u>	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 moundaire 2	velah dahkhawm tur ani.
LIME	)	La J	4 Thlai naupang deuah chuan chawlh
	(	1 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	20	Z ATZAWIL /	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	No Long	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	Security of Security 1	Nursery stage
	1	1000	+ Thlai chi thlak hma in Azospirillum leh
	5	n 7~	Phosphobacterium a enkawl tur ani.
		1 16	+ A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		( ( Shink	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		8 N A	210
			2   P a g e



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ICAR			
	5	ni hu ba ar hr	2O/ha pawlh chu hman phawt tur a Nitrogen dose chanve chu a chi tuh unlaia hman tur a ni a, tichuan a ang 25% chu thla khat hnu ah ani ng a adang leh 25% chu a par hunah man tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	tu tu tu tu tu tu tu tu tu tu	than a that theih nan nikhat danah i pek thin tur ani. ei rih vur hian thlai kung te a veng ve ni. nlasik lai a lei khoro lutuk tur ven an a chungah hnim leh thildanga nuh tur ani.
Potato VEGETABLE CR	Sowing stage	SERCHH PL A	Auangchang loving alu chin na tur hu buatsaih vat tur ani. Iei hian a than hun laiin natna hrikin akah a veng dawn ani. Jei leh hmain a hmun hma chu fai aka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah amasak tur ani. A than a that theih nan nikhat danah ui pek thin tur ani.
Tomato	Bacterial Blight disease		omato bikah chuan sik leh sa hi atna an kaina tlang lawn ber ani . Imun hnawng leh ni hmu lo lutuk munah chuan natna an kai hma bik ni. omato hi a uai a, a thih mai loh nan didomil emaw Indofil emaw Mancozeb 2 gm hi tui liter 1 ah pawlh a kah ur ani .
Early Cole crop	Black spot disease	LAWNGTLAL SAIHA	than a that theih nan nikhat danah ui pek thin tur ani. hlai bul vawn hnawn nana thlai bula nim ring vawm khawm hi tui pek awhah dah tur ani. Kikhlum lam chi ah chuan sik leh a vangin a hnah ah thil dum rawn



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Onion and capsicumNursery stagePoly houseber ani. 4Onion and capsicumNursery stagePoly house4A than a tui pek th 4Thlai bul hnim ring zawhah di 4Thlai bul hnim ring zawhah di 4Thlai bul hnim ring zawhah di 4Phytopthora blight4A chi ven emaw Trici (Apron)/ k 4'rench beanSowing stage4Tui pek an a a. than a tur ani.Carrot and radishSowing stage4A than a tui pek h a than a tur ani.	
capsicumtui pek th 4Capsicumtui pek th 4Thlai bul hnim ring zawhah di 4Thlai chi to loh na tui liter 1 hle ani.Phytopthora blightA chi ven emaw Tric (Apron)/ k 4Prench beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stage4A than du na turi na tur ani.Carrot and radishSowing stage4A than du na turi na tur ani.5Sowing stage4A than a tui pek th 45Sowing stage5Sowing stage4A than a tui pek th 45Sowing stage4Sowing stage4Sowing stage4Sowing stage4Sowing stage4Sowing stage4Sowing stage4Sowing stage4Sowi	n a , hei hi natna tlanglawn a lam chi leh zikhlum lam reng enkawl nan Mancozeb ah tui leter 1 pawlha kah
blightemaw Trick (Apron)/ k Hunch tak emaw 2 oxychloridd pek hi a th Tui pek a I a. than a in lei rin p 4 A than du 	that theih nan nikhat danah nin tur ani. vawn hnawn nana thlai bula ng vawm khawm hi tui pek lah tur ani. ina hmun (nursery) hi hnim a an Pendimethalin @ 3.5ml hi l. zelah pawlh a kah hi a tha
Carrot and radishSowing stagea. than a in lei rin p + A than du na turin a tur ani.Carrot and radishSowing stage4 A than a tui pek th + Tui pek h na tur sia + Zikhlum sa vangi rawn av	h that nan thiram 3g/kg seed choderma viride 4g+ metalaxyl 4g cg seed hi a tha hle ani ca 1% Bordeaux chawhpawlh g captan emaw 3 copper le a tui liter 1 hi 10-15 DAS a na hle ani.
radish tui pek th Tui pek th Tui pek th na tur sia Zikhlum sa vangi rawn av	hnihnah hringa khuh tur ani a that theih nan tui pek hma ban hmasak tur ani. una theih nan leh hnim to loh a kung bulah lei vur chhoh zel
chi ren Mancoze	that theih nan nikhat danah nin tur ani. hnuah thlai bul vawn hnawn am tur ani. lam chi ah chuan sik leh in a hnah ah thil dum a wm thina, hei hi natna n ber ani. la lam chi leh zikhlum lam ng reng enkawl nan eb @ 2gm ah tui leter 1 kah tur ani.
6 N 2	5   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAK	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		001	<b>6</b>   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive	0-3 week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	211	<ul> <li>a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
		4 th weeks	<b>Coccidiosis-</b> Amprolium or
	2		coccidiostat
	1 MPONT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	8	LAIZAWIL I	CHAMPAL
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



**District: Mamit** 

Period: 08 August - 12 August, 2018

Bulletin	<b>No:</b> -	814/	2018/	Bullet	tin/Eng	lish
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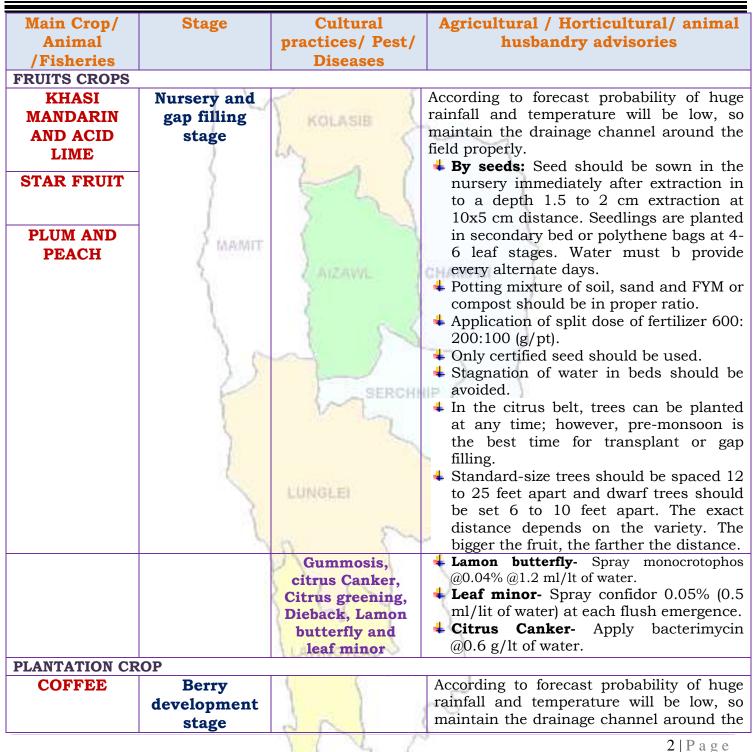
Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018		
Rainfall (mm)	3	7	8	8	6		
Max Temp (°C)	31	31	30	30	29		
Min Temp (°C)	22	22	23	23	22		
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	99	98	99	99	100		
Min RH (%)	48	49	73	73	56		
Wind Speed (KmpH)	3	4	2	2	2		
*Wind Direction	S-E	S	E	E	S-E		
		Easterly- N-E, East	sterly- E. South	-Easterly- S-E.			
		Vesterly- <mark>S-W</mark> , We					
		30, 2018 (Percent			nthesis)		
Aizawl- 383.68mm			aiha- 109.52 mm		352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>	-	-411.72mm		
(285.5mm)		86.21mm)	(442.80mm		(25.9mm)		
Weather summary	of the past	Weather foreca	ast valid from	<b>O8thAugust</b> , 20	018 To 12 th		
three day	S	August, 2018.					
Maximum Tem. (°C):2	27-28°C	There are chances of light rainfall during the next 5 days.					
Minimum Tem. (°C):1	8-20°C	The maximum and minimum temperatures for the next 5					
Maximum RH (%):97-	1	days may range for 29-31°C and 22-23°C. Maximum relative humidity is expected in the range of 98-100% and					
Minimum RH (%):71-							
Wind Direction: Sout		minimum may	· · · · · · · · · · · · · · · · · · ·	0			
Cloud cover: Mainly o		5					
Wind speed: 2.87 km	/ חר	southeasterly to southerly to easterly and southeasterly					
		with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.					
Rainfall: 35.6 mm		will prevail durir	ig the next live	days.			
		March Ford Devices		r <mark>ainfall:</mark> 32.0 1			
NDVI for Mizoram		North East Region	Mildly dry	condition oc	curs in all		
		-512 =	districts of	Mizoram.			
		E PR					
		CON A					
			÷1				
		AA.	5 J				
		Agriculture vigour is moderate over some of th	e pets				
		100					
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#### ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

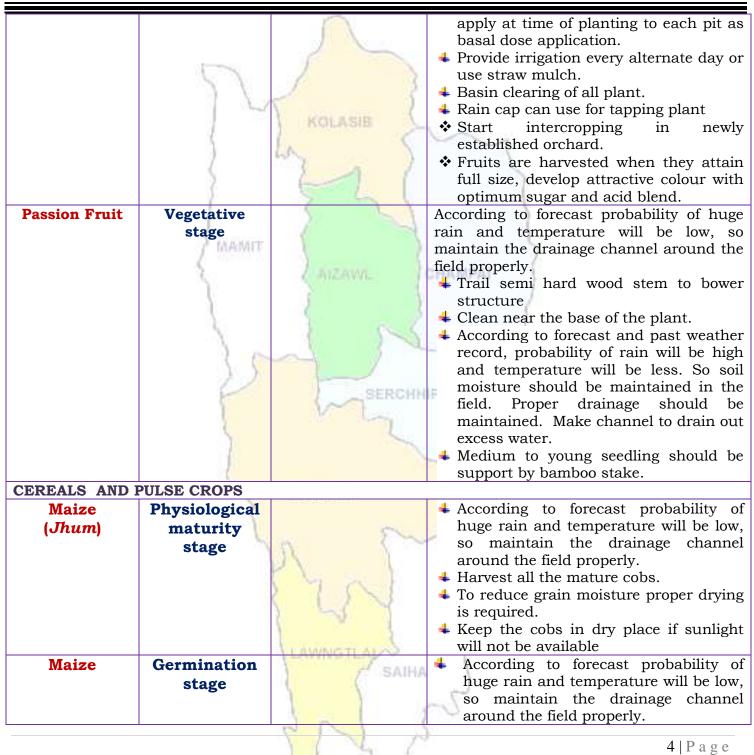


			field properly.
			4 Coffee should be grown as a single stem
			system. Pruning is required to:
			Supply good healthy wood for the next
	2. 6	1 2	season's crop;
	L.		$\neq$ maintain the correct balance between leaf
		KOLASIB	area and crop;
	1	Ex S	Prevent overbearing and dieback;
	1		<ul> <li>Reduce biennial bearing;</li> </ul>
			<b>U</b>
	1	5 6	<b>4</b> Maintain good tree shape.
		5. 54	De suckering-
	Remains		De-sucker to maintain a single stem system
	J' MAMIT	2 2	and avoid competition from suckers
	5	AIZAWAL 1	<b>4</b> Remove 'fly crop' fruit (early fruit which
		A mestores a	compete with strong plant/root
	)		development) as they appear.
	200	S G L	Weeding
	1		<ul> <li>Weeding or basin clearing must be</li> <li>done for better growth and</li> </ul>
			done for better growth and development.
Rubber	Transplanting		According to forecast probability of huge
Rubbel	_	SERCHN	rainfall and temperature will be low, so
	and gap	Vita	maintain the drainage channel around the
	filling		field properly.
			Start planting newly established place.
	1		4 Weeding must be done.
		LUNGLEI	4 Apply 10-12 kg of well rotten organic
	2	Print Print Print 1	manure and 225 gm rock phosphate
	1	1000	should be apply at time of planting to
	5	n (~	each pit as basal dose application.
			Basin clearing of all established plant.
			Rain cap can use for tapping plant
			Start intercropping in newly
	<b>TT</b> . 4 . 4 . 7		established orchard.
Oil plam	Vegetative/		According to forecast probability of huge
	Harvesting	LAWNGTLAL	rain and temperature will be low, so maintain the drainage channel around the
	stage	/ SAIHA	field properly.
		1 1	↓ 10-12 kg of well rotten organic manure
			and 225 gm rock phosphate should be
	l	N N N	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			↓ Gap filling is required due to poor
			germination percentage due to high
			rainfall.
			<b>4</b> Weeding and fertilizer application
	2.1	1 8	must be done.
		7	✤ Probability of stem borer infestation
		KOLASIE	will be high. Spray any systemic
	(		insecticide.
Kharif Rice	Trongelopting	60	According to forecast and past weather
кпати кісе	Transplanting	1 1	record, probability of rain will be high
	stage		
	1	2 2 1	and temperature will be less. So soil
			moisture should be maintained in the
	S in many		field. Proper drainage should be
	/ MAMIT		maintained. Make channel to drain out
	1.	LAIZAWAL TO	excess water.
			<b>4</b> Water level shall be maintained for
	)	) )	better transplant.
	200		Plough the field two to three times.
	1		According to forecast probability of rain
	1 0		will be moderate to high and
	1 1		temperature will be less so run off and
	0	SERCHN	proper drainage should be maintained
		(math	in the field.
	2		<b>4</b> Transplant 2-3 seedlings in one place
	1		for avoid gap filling.
			4 Spacing should be 20 cm row to row
			and 15 cm plant to plant.
		LUNGLEI	<b>4</b> Keep some seedlings in nursery or
	3		corner of the field for gap filling.
Jhum Rice	Vegetative	(mag)	4 According to forecast probability of less
	stage 📉	n (~~	rain and temperature will be high, so
	Ŭ		maintain soil moisture in the field
		Chi an I	properly.
		1 1 1 1	<b>4</b> Earthing up soil for better growth and
		1 55 7	stability in root zone.
			<b>4</b> Use split dose of any nitrogenous
		LI MARIETT AL CO	fertilizer for better growth.
Kharif pulses	Germination	SAIHA	According to forecast probability of
(Green gram,	stage	( SAINA	huge rain and temperature will be low,
Black gram and	0		so maintain the drainage channel
Rajma)		125	around the field properly.
		6 1 4	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	57	$\sum$	<ul> <li>Gap filling is required due to poor germination percentage due to high rainfall.</li> <li>Weeding must be done to reduce crop weed computation.</li> </ul>
VEGETABLE CR		KOLASIH	
Ginger and turmeric	Sowing stage	AIZAWL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Cucurbitaceo us crop	Fruiting stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil moisture.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil</li> </ul>
		N N N	
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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	7	Fruit fly	<ul> <li>moisture.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
Cowpea	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
Colocasia	Sowing stage		<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	1		
Pig	All stages	LAWNGTLAL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

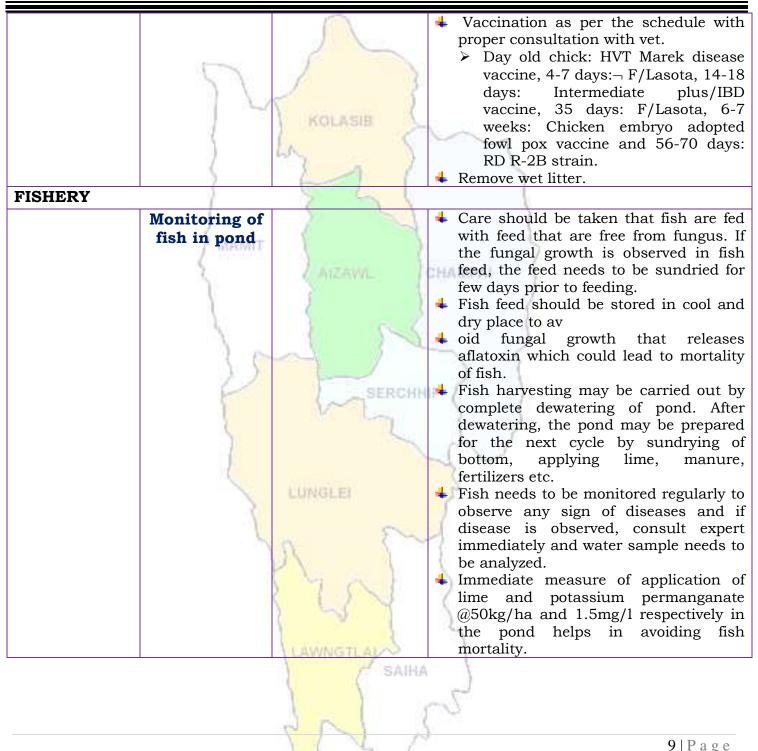


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	AIZAWL SERCHH LUNGLEI	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be tagmed about</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>teamed short.</li> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast receired from IMD, Guwahati)



### **District: Mamit**

Period: 08 August – 12 August, 2018

Bulletin No: - 814/2018/ Bulletin/Mizo

Date of issue: 07th August, 2018

		1				
Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	3	7	8	8	6	
Max Temp (°C)	31	31	30	30	29	
Min Temp (°C)	22	22	23	23	22	
Cloud Coverage	Mainly cloudy	0 0	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	98	99	99	100	
Min RH (%)	48	49	73	73	56	
Wind Speed (KmpH)	3	4	2	2	2	
*Wind Direction	S-E	S	E	E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	30, 2018 (Percent i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80n	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) 0-411.72mm (25.9mm)	
Weather summary of three day	s	08 th August – 12 th August, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):71- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 2.87 km Rainfall: 35.6 mm	8-20°C 100% 92% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 98-100% 3 niin. Thli hi dar awi zawngin a th hian khawthiang	Khua a lum lai 22-23ºC ni tu leh a hniam la kar khatah 2-4 eh rin a ni. A tl g tak hmuh bei	berin 29-31°C ura beisei a ni i berin 48-73% 4 km vela chak angpuiin tun n sei a ni.	a ni ang a. A . RH san lai o ni tur a rin in chhaklam i nga chhung	
			_	rainfall: 32.0r		
NDVI for Mizoram			Mildly dry districts of	[,] condition oc Mizoram.	ecurs in all	
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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

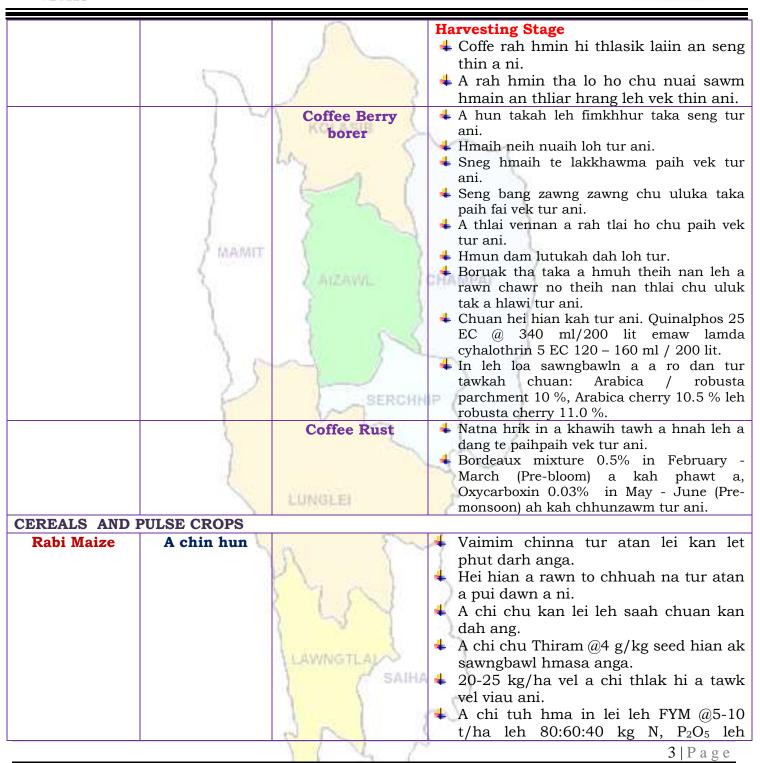


Animal (Fisheries       practices/ Pest/ Diseases       husbandry advisories         FRUITS CROPS       A kui atanga a seng hun       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       - Thla in aupang deuah chuan chawh kar tin a tui pek thin tur ani.       - Thlai naupang deuah chuan chawh kar tin a tui pek thin tur ani.         STAR FRUIT       - A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan heh a rah than that na te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       - Gummosis, citrus greening and Dieback       - Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       - Fruit fly RCM       - Huan zau taka huan a par tan tirh leh a rah tan tirin chawlikak nain Azospirillum leh Phosphobacterium a enkaul tur ani.         PLANTATION CROP       - All stages       - Thlai chi hilak hma in Azospirillum leh Phosphobacterium a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.         • Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur ati.       - Nitin tui pek tur ani a, as sat lutuka loh nan niin a chhun loh nan zar hliah tur atii.				
/Fisheries       Diseases         FRUITS CROPS       A kui atanga a seng hun <ul> <li>A kui atanga a seng hun</li> <li>And ACID</li> <li>LIME</li> <li>BANANA</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> </ul> <ul> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Thia naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Tha anawh tawk a hmuh theilin a turin a hmunhma a hnim awm te thawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tha tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> <li>PEACH</li> <li>Cummosis, citrus greening and Dieback</li> <li>Fruit fly continue au takah chuan a part an tirh leh a spath te hnawih tur ani.</li> <li>Huan zu takah chuan a part an tirh leh a rah tan tin cabavlhkar hnih chhung chu heng te hian enkawl tur ani.</li> </ul> <li>PLANTATION CROP</li> <li>COFFFEE</li> <li>All stages</li> <li>PLANTATION crop</li> <li>COFFFEE</li> <li>All stages</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Chuan a chi chu lei tlem te a chhih a buhpawla khuh tur ani.</li> <li>Nursery stage         <ul> <li>Thia ichi tulak hma in Azospirillum leh <i>Phosphobacterum a enkawl tur ani</i>.</li> <li>Nith tui pek tur ani a, as at lutuka loh nan zar hliah tur ani.</li> <li>Nith tui pek tur ani a, as at lutuka loh nan nin a chhun loh nan zar hliah tur ani.</li> <li>Nith tu jek tur ani a, asat lutuka loh na</li></ul></li>	Main Crop/	Stage		Agricultural / Horticultural/ animal
FRUITS CROPS         KHASI MANDARIN AND ACID LIME         BANANA         BANANA         STAR FRUIT         FLUM AND PEACH         Commosis, citrus canker, citrus greening and Dieback         Fruit fly corf         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages         VIANTATION CROP         COFFEE         All stages	Animal		practices/ Pest/	husbandry advisories
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chueun hnim hnah hring dia bul venlad hkhawm tur ani.         BANANA	/Fisheries		Diseases	
MANDARIN AND ACID LIME       a seng hun       vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.         BANANA       Image: Star FRUIT       Image: Star FRUIT         STAR FRUIT       Image: Star FRUIT       Image: Star FRUIT         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Image: Fruit fly RCH         Fruit fly RCH       Fruit fly RCH       Image: Fruit fly RCH         PLANTATION CROP       All stages       Nursery stage         PLANTATION CROP       All stages       Nursery stage         Image: Star FRUIT       All stages       Nursery stage         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit fly RCH       Image: Star Fruit fly RCH         Image: Star Fruit fly RCH       Image: Star Fruit f	FRUITS CROPS		1	
MANDARIN AND ACID LIME       a seng hun       wennan chuan hnim hnah hring tlai bul welah dahkhawm tur ani.         BANANA       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.       Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.         STAR FRUIT       Image: Star for the star for	KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
AND ACID LIME BANANA BANANA STAR FRUIT Gummosis, citrus greening and Dieback COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE All stages COFFEE COFFEE All stages COFFEE All stages COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COFFEE COF	MANDARIN	the second se	KOLASIR	vennan chuan hnim hnah hring tlai bul
LIME       4 Thiai naupang deuah chuan chawih kar tin a tui pek thin tur ani.         BANANA       5 TAR FRUIT         STAR FRUIT       4 A seng hma kar 6 chung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback         Fruit fly       4 Temperture hniam lutuk leh hnawng vang ha ta a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan turi nehwihkar hnih chhung chu heng te lian enkawi tur ani.         PLANTATION CROP       All stages         COFFEE       All stages         Nursery stage       • Thiai chulk hma in Azospirillum leh Phosphotacterium a enkawi tur ani.         • A chi hi December – January ah hmun zawi/nualrem 1.5 - 2.5 cm a in hlatin tur ani.         • Nitin tui pek tur ani.         • Ni	AND ACID	8	1 monorione 7	velah dahkhawm tur ani.
BANANA         BANANA         STAR FRUIT         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly         Fruit fly         PLANTATION CROP         COFFEE         All stages         Nursery stage         The child be		)	LA.	👍 Thlai naupang deuah chuan chawlh
STAR FRUIT       Image: Control of the image: Co		(	3 4 1	
STAR FRUIT       Image: Construct of the second secon	BANANA	1		
STAR FRUIT <ul> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah tkeh tur lakah t a veng thei ani.</li> <li>PLUM AND PEACH</li> <li>Gummosis, citrus greening and Dieback</li> <li>Fruit fly</li> <li>Fruit fly</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani.</li> <li>Huan zu takah chuan a par tan tirh leh a rah tan tirin chawlikkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul> <li>PLANTATION CROP</li> <li>COFFEE</li> <li>All stages</li> <li>Nursery stage</li> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December - January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan zar hliah tur ahi.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ahi.</li>		1	2 2 1	
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Diebaack       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         PLANTATION CROP       Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFFEE       All stages         Nursery stage       4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         With tur ani.       4 Nitin tui pek tur ani, a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         Fruit fly COFFEE       Fruit fly PLANTATION CROP       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a. Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangahi te hnawih tur ani.         PLANTATION CROP       Fruit fly PLANTATION CROP       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawi tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage 4 Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Muit tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	STAR FRUIT	S LABOATT		
PLUM AND PEACH       keh tur lakah t a veng thei ani.         Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		1 meaning	5	-
PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng vang hian natna a at am duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rang te hian enkawi tur ani. carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawi tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.	DI LIM AND	30	AIZAWIL /	
Gummosis, citrus canker, citrus greening and Dieback       4 Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       4 Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage         4 Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         4 A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         4 Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				keh tur lakah t a veng thei ani.
canker, citrus       hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Nursery stage       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.	РЕАСП	1		
greening and Dieback       laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         * A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Dieback       a trangah te hnawih tur ani.         Plantation CROP       Fruit fly         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         Niti 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
Fruit fly       + Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.         PLANTATION CROP         COFFEE       All stages         Mursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5.0		
PLANTATION CROP       All stages       Nursery stage         COFFEE       All stages       Nursery stage         * Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         * Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         * Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.		11		
PLANTATION CROP         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	FILITE ILYERCHN	
PLANTATION CROP         COFFEE       All stages         All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		1	Y La	
10 g/l.         PLANTATION CROP         COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         • Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       • Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.         • Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.		5		percent emaw malathion 0.15 percent
PLANTATION CROP         COFFEE       All stages         All stages <ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> </ul>				suspension containing sugar or jeggery at
COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.       + Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.       + Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				10 g/l.
<ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			LUNGLEI	
<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>	COFFEE	All stages	and each and and a	
<ul> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			C	_
<ul> <li>zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>			n (~~	
<ul> <li>tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul>				
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buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
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nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.				
ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			LAWNGTLAU	-
Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			- SAIHA	- X
bag ah an sawn chhuak leh thin ani.			1 1	
2015				
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### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL.	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	1 4 Y	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
		LAWNGTLAL	<ul> <li>hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			awm thin a , hei hi natna tlanglawn ber ani.
			<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
	2.1	1 2	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	<ul> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMMET		to loh nan Pendimethalin @ 3.5ml hi
	1		tui liter 1 zelah pawlh a kah hi a tha
	30	ATZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 1	Hneh taka 1% Bordeaux chawhpawlh
	) 6	~ \ \ ~	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
	1	LINGLER PL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	8	1000	tui pek thin tur ani.
	5	n (~~	👎 Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		M Rel	+ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		20 1	rawn awm thina, hei hi natna
		Low marine and	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
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			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		4 N 2	<b>6</b>   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION



	December		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Panilhat Diagaga an pian atanga ni</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	L	4 th weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MACINIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	ANZAWAL I	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initiar atang a tur io inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Current of the second sec

Guwahati)



### **District: Saiha**

Period: 08 August - 12 August, 2018

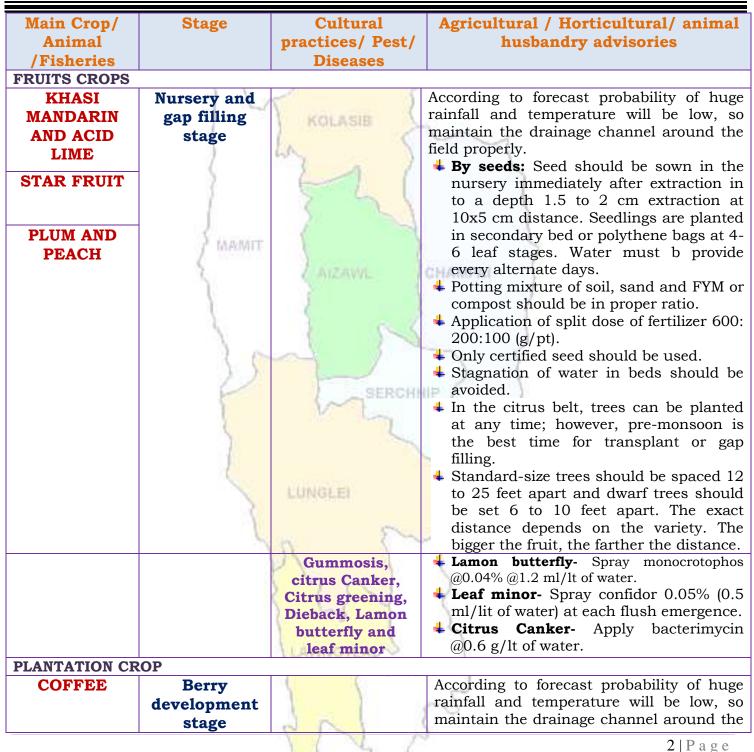
Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018				
Rainfall (mm)	5	13	13	16	10				
Max Temp (°C)	31	31	30	30	31				
Min Temp (°C)	16	15	15	14	15				
Cloud Coverage	Partially clear	· Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy				
Max RH (%)	100	100	100	99	100				
Min RH (%)	60	58	95	91	64				
Wind Speed (KmpH)	4	2	4	2	2				
*Wind Direction	E	S-E	S-E	E	S-E				
		Easterly- N-E, East							
		Westerly- <mark>S-W</mark> , We							
		-30, 2018 (Percent							
<b>Aizawl-</b> 383.68mm			aiha- 109.52 mm		352.38mm				
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)				
Lawngtlai-321.51mm			<b>Iamit-449.48mm</b>	-	-411.72mm				
(285.5mm)		186.21mm)	(442.80mm		(25.9mm)				
Weather summary		Weather foreca			018 To 12 th				
three day	S	August, 2018.							
Maximum Tem. (°C):23-27°C		There are chances of moderate to light rainfall during the							
Minimum Tem. (°C):16-19°C Maximum RH (%):100% Minimum RH (%):71-95% Wind Direction: Southeasterly		next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 14-16°C.							
							Maximum relative humidity is expected in the range of 99-		
		Cloud cover: Mainly o		100% and minimum may from 58-95%.Wind direction					
		Wind speed: 3.45 km		would be easterly to southeasterly to easterly and					
	,	southeasterly wa	ith the wind s	speed of 2-4 k	m per hour.				
Rainfall: 40.4 mm		Mainly cloudy sk	xy will prevail d	uring the next	five days.				
		Weekl	y cumulative i	rainfall: 57.0 1	nm				
NDVI for Mizoram		North East Region	Mildly dry	condition of	curs in all				
		~ -	districts of						
		-33	uistricts of						
		C A							
			10 I						
		ØG-							
		₩ <b>-</b> -	·						
		Agriculture vigour is moderate over some of the region.	e pets						
		6151	2		110				
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#### ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

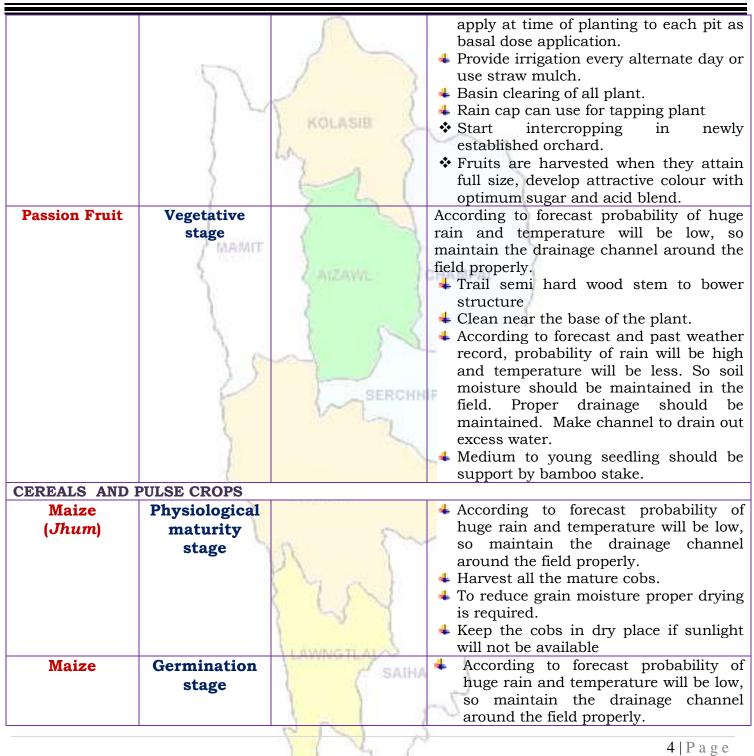


		0	field properly.
			↓ Coffee should be grown as a single stem
			system. Pruning is required to:
	5	1	<b>4</b> Supply good healthy wood for the next
	1 6	1 2	season's crop;
			<b>4</b> maintain the correct balance between leaf
		KOLASIB	area and crop;
	1	En S	Prevent overbearing and dieback;
	1	~ 7 ~ 7	<b>4</b> Reduce biennial bearing;
	2		<ul> <li>Maintain good tree shape.</li> </ul>
	1	2 5	De suckering-
	1	2 24	<b>4</b> De-sucker to maintain a single stem system
	S arrest	1	and avoid competition from suckers
	J' MAMIT	1	<b>4</b> Remove 'fly crop' fruit (early fruit which
	1	LARZAWL I	compete with strong plant/root
			development) as they appear.
		1 1	Weeding
	1	S all	Weeding or basin clearing must be
	1		done for better growth and
	3.0		development.
Rubber	Transplanting		According to forecast probability of huge
		and the second	According to forecast probability of fluge
		SERCHH	
	and gap		rainfall and temperature will be low, so maintain the drainage channel around the
		SERCHN	rainfall and temperature will be low, so maintain the drainage channel around the field properly.
	and gap		<ul><li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li><li>Start planting newly established place.</li></ul>
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	and gap		<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic</li> </ul>
	and gap	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate</li> </ul>
	and gap	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to</li> </ul>
	and gap	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>
	and gap	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> </ul>
	and gap	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> </ul>
	and gap	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly</li> </ul>
Oil plam	and gap filling	my	<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> </ul>
Oil plam	and gap filling Vegetative/		<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly</li> </ul>
Oil plam	and gap filling Vegetative/ Harvesting		<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>According to forecast probability of huge</li> </ul>
Oil plam	and gap filling Vegetative/		<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> </ul>
Oil plam	and gap filling Vegetative/ Harvesting		<ul> <li>rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>10-12 kg of well rotten organic manure</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**



			<b>4</b> Gap filling is required due to poor
			germination percentage due to high
			rainfall.
			<b>4</b> Weeding and fertilizer application
	21	2	must be done.
		5 )	+ Probability of stem borer infestation
	1 2	KOLASIB	will be high. Spray any systemic
	(		insecticide.
Kharif Rice	Transplanting	60 J	According to forecast and past weather
Miani Mice		1 1	record, probability of rain will be high
	stage	the same of the	and temperature will be less. So soil
	1		moisture should be maintained in the
	AMAMIT	1	field. Proper drainage should be maintained. Make channel to drain out
	In Provint	S	
		LAIZAWAL I	excess water.
			<b>4</b> Water level shall be maintained for
		1 2	better transplant.
	2		Plough the field two to three times.
	1		According to forecast probability of rain
	2 6		will be moderate to high and
	$\left( 1 \right)$		temperature will be less so run off and
	-	SERCHN	proper drainage should be maintained
	5		in the field.
	2		<b>4</b> Transplant 2-3 seedlings in one place
	1		for avoid gap filling.
			↓ Spacing should be 20 cm row to row
			and 15 cm plant to plant.
		LUNGLEI	<b>4</b> Keep some seedlings in nursery or
	2		corner of the field for gap filling.
Jhum Rice	Vegetative	(The second s	According to forecast probability of less
	stage	n (~~	rain and temperature will be high, so
	U	1	maintain soil moisture in the field
		The set 1	properly.
		2 1 5 1	<b>4</b> Earthing up soil for better growth and
		1 55 7	stability in root zone.
		A Star I	<b>4</b> Use split dose of any nitrogenous
		LI ALAMANETT AL AN	fertilizer for better growth.
Kharif pulses	Germination	- SAIHA	4 According to forecast probability of
(Green gram,	stage	( SAINA	huge rain and temperature will be low,
Black gram and	0		so maintain the drainage channel
Rajma)		1 5 1	around the field properly.
		P N J	P
		1 4	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	57	$\sum$	<ul> <li>Gap filling is required due to poor germination percentage due to high rainfall.</li> <li>Weeding must be done to reduce crop weed computation.</li> </ul>
VEGETABLE CR		KOLASIH	
Ginger and turmeric	Sowing stage	AIZAWL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Cucurbitaceo us crop	Fruiting stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil moisture.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil</li> </ul>
		C N	
			<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	7	Fruit fly	<ul> <li>moisture.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
Cowpea	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
Colocasia	Sowing stage		<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN			
Pig	All stages	LAWNGTLAUS	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under</li> </ul>
L	1	VIL C	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

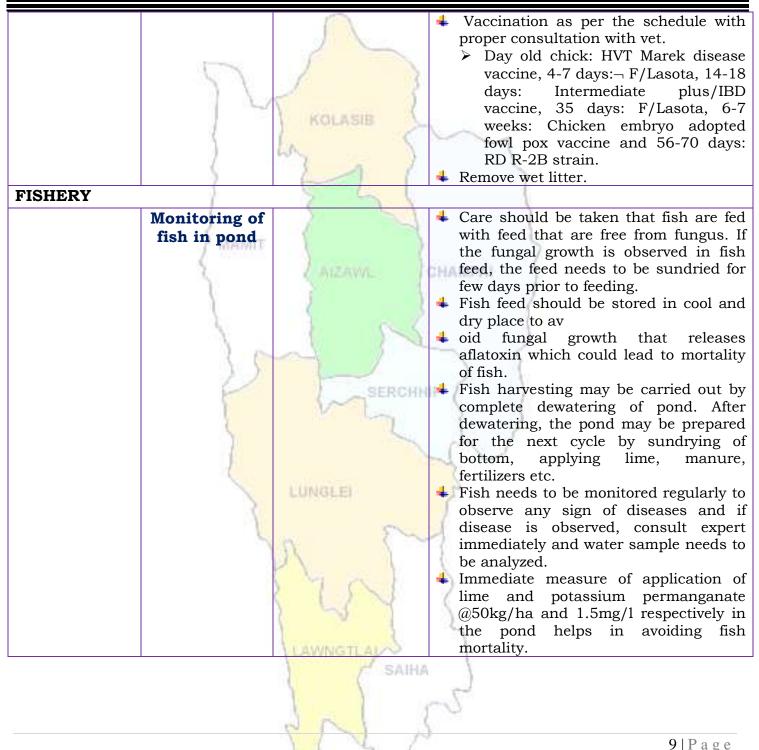


age group	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> <li>In present weather conditions, special</li> </ul>
age group	5 21	<b>4</b> In present weather conditions, special
MAMIT	LUNGLEI	<ul> <li>care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> </ul>
	age group	Age group



ICAR RESEARCH COMPLEX FOR NEH REGION







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast receired from IMD, Guwahati)



#### **District: Saiha**

Bulletin No: - 814/2018/ Bulletin/Mizo

Date of issue: 07th August, 2018

Period: 08 August - 12 August, 2018

		100	100			
Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	5	13	13	16	10	
Max Temp (°C)	31	31	30	30	31	
Min Temp (°C)	16	15	15	14	15	
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	99	100	
Min RH (%)	60	58	95	91	64	
Wind Speed (KmpH)	4	2	4	2	2	
*Wind Direction	E	S-E	S-E	E	S-E	
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,		
			Vesterly-W, Nort			
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha	-30, 2018 (Percenti- 239.49mm (250.30mm) -344.00mm (186.21mm)	at of deviation fro Saiha- 109.52 r (87.2n Mamit-449.48n (442.80)	nm Kolasib 1m) nm Serchhi	enthesis) - 352.38mm (380.9mm) ip-411.72mm (25.9mm)	
	of the next					
Weather summary three day		08 th August – 12 th August, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):100 Minimum RH (%):71- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 3.45 km Rainfall: 40.4 mm	.6-19°C )% 95% heasterly cloudy	tura beisei a ni vawh lai ber i berin of 99-100 niin. Thli hi da awi zawngin a hian khawthian	ang lo awm tur Khua a lum la n 14-16°C ni t 0% leh a hniam arkar khatah 2- tleh rin a ni. A t ng tak hmuh be <b>kly cumulative</b>	i berin 30-31°C ura beisei a n lai berin 58-95 4 km vela chai langpuiin tun r isei a ni.	2 a ni ang a. A i. RH san lai % ni tur a rin kin chhaklam ni nga chhung	
NDVI for Mizoram		North East Region	Mildly dr districts of	y condition o `Mizoram.	ccurs in all	
		612	P		1   P a g e	

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

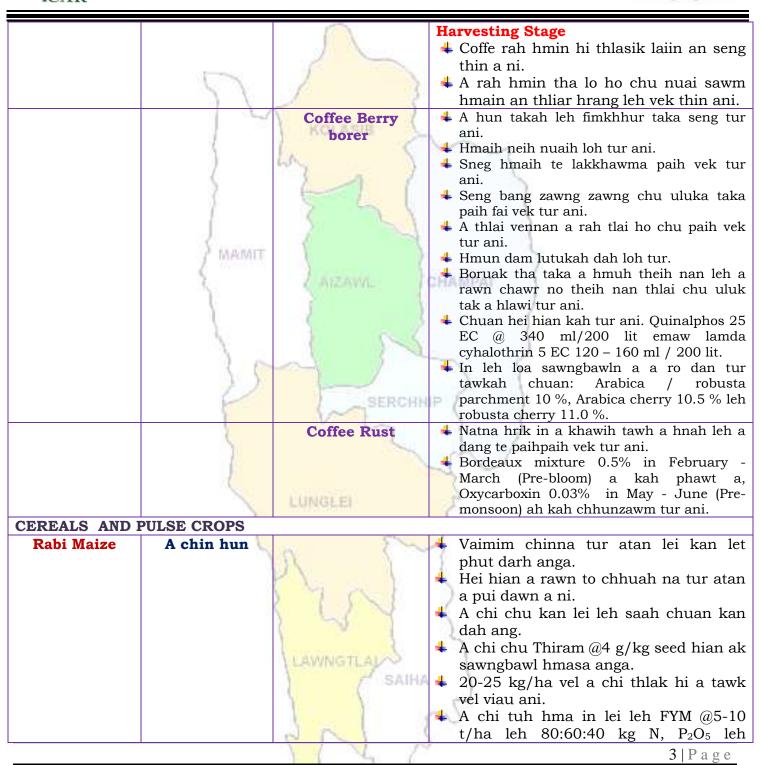


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	1	1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID 2	velah dahkhawm tur ani.
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh
	(	3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	f interiority	5 (	taka pek hian a rah tla tur chelh nan
	3.0	Z ATZAWIL /	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH			
	100	Gummosis, citrus	<b>4</b> Temperture hniam lutuk leh hnawng vang
	1 1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	3	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	and the second s	Nursery stage
		1990 C	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5	n Tr	Phosphobacterium a enkawl tur ani.
		31 1	🔸 A chi hi December – January ah hmun
	1	Char See V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		( SAINA	
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
		1 2 1	bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soybean, pea,	All stage	Zero tillage	<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow	A PARTA	"FL	<ul> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CRO Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		VIV A	4   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



Onion and		KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
Onion and capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	100000	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		900	510
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAN	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	<b>6</b>   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /liam tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga n
	measures	la S	1-6 ah F1 vaccine pek tur ani a, chuai
	1	~~ ~ )	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
		445	B complex with antibodies
		4 th weeks	<b>4 Coccidiosis</b> - Amprolium o
	F MAMIT	4 FM41 YYY 4	coccidiostat
	2. 00850303	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	1	( AIZAWIL )	CHAMPAL
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai le chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
		17 h	
			7   P a g e



#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Completit)

Guwahati)



**District:** Serchhip

Period: 08 August - 12 August, 2018

Bulletin No: - 814/2	018/ Bulletin	/English
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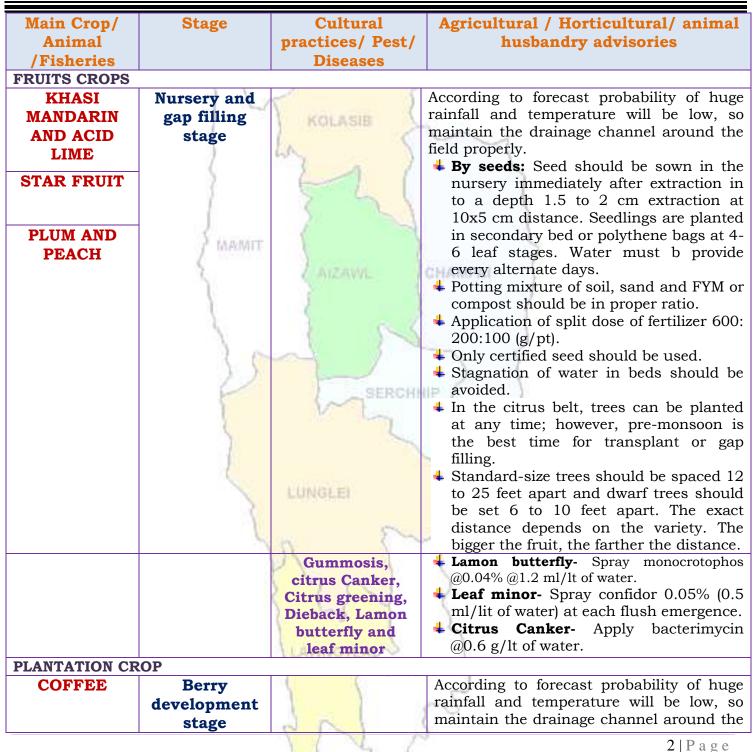
Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	4	10	7	11	12	
Max Temp (°C)	30	30	30	29	30	
Min Temp (°C)	14	14	15	15	16	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	100	100	
Min RH (%)	56	51	84	75	66	
Wind Speed (KmpH)	2	2	0	2	2	
*Wind Direction	E	S-E	S-E	Е	S-E	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
		30, 2018 (Percent				
Aizawl- 383.68mm	-		<mark>aiha- 109.52 mm</mark>		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm	-	-411.72mm	
(285.5mm)		86.21mm)	(442.80mm		(25.9mm)	
Weather summary		Weather foreca		$\sim$	)18 To 12 th	
three day		August, 2018.				
Maximum Tem. (°C):2		There are chanc	es of moderate	e to light rainfa	ll during the	
Minimum Tem. (°C):1		next 5 days. The	maximum and	l minimum tem	peratures for	
Maximum RH (%):97-		the next 5 days may range for 29-30°C and 14-16°C. Maximum relative humidity is expected in the range of 100% and minimum may from 51-84%.Wind direction would be easterly to southeasterly to easterly and southeasterly with the wind speed of 0-2 km per hour.				
Minimum RH (%):71-	92%					
Wind Direction: Sout	heasterly					
Cloud cover: Mainly	cloudy					
Wind speed: 3.18 km	/nr					
		2		-	-	
Rainfall: 36.0 mm		Mainly cloudy sk	y will prevail d	uring the next	nve days.	
				rainfall: 44.0 1		
NDVI for Mizoram		Hortin East Negram 29-34	Mildly dry	condition oc	curs in all	
		~~~~ ==:	districts of	Mizoram.		
		- Site				
		Capel -	- 1			
		CASE I	-			
		-R =:	-			
		Agriculture eigeur is moderate over some of the pa region.	etta haar			
		195	5			
		Y I V	12		1 Page	



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

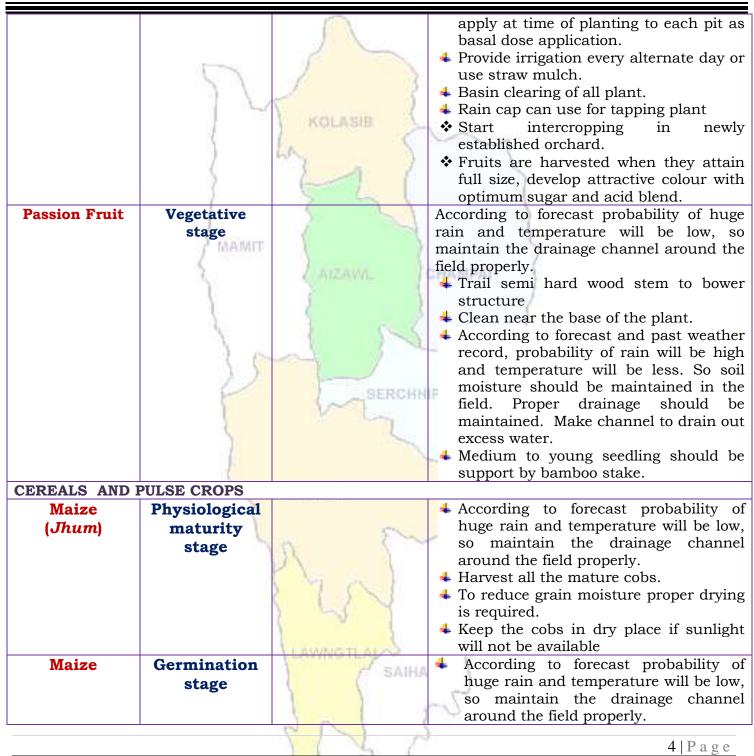


			field properly.
			+ Coffee should be grown as a single stem
			system. Pruning is required to:
		1	4 Supply good healthy wood for the next
	1 6	2 8	season's crop;
	1	N I I I I I I I I I I I I I I I I I I I	♣ maintain the correct balance between leaf
	1	KOLASIB	area and crop;
	1	S.	Prevent overbearing and dieback;
	1	~~~)	 Reduce biennial bearing;
)		 Maintain good tree shape.
	1	5 5	De suckering-
	1	2	↓ De-sucker to maintain a single stem system
	S anno		and avoid competition from suckers
	J' MAIMIT	1	4 Remove 'fly crop' fruit (early fruit which
	S	LAIZAWIL I	compete with strong plant/root
			development) as they appear.
	1	1	Weeding
	1	3 66	Weeding or basin clearing must be
	1 1		done for better growth and
	3.0		development.
Rubber	Transplanting		According to forecast probability of huge
			recording to forceast probability of fluge
	and gap	SERCHH	rainfall and temperature will be low, so
	and gap filling		rainfall and temperature will be low, so maintain the drainage channel around the
	and gap filling		rainfall and temperature will be low, so maintain the drainage channel around the field properly.
		Conserching Conserching	rainfall and temperature will be low, so maintain the drainage channel around the field properly.Start planting newly established place.
			 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done.
			 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic
		my	 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate
		my	 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
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		my	 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant.
		my	 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant
		my	 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant.
Oil plam	filling	my	 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly
Oil plam	filling Vegetative/		 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so
Oil plam	filling Vegetative/ Harvesting		 rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the
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ICAR RESEARCH COMPLEX FOR NEH REGION







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			4 Gap filling is required due to poor
			germination percentage due to high
		E State	rainfall.
	1	1	4 Weeding and fertilizer application
	1 6	2 2	must be done.
	1	S	4 Probability of stem borer infestation
		KOLASIB	will be high. Spray any systemic
	6	(. S	insecticide.
Kharif Rice	Transplanting	wy 2	4 According to forecast and past weather
	stage		record, probability of rain will be high
	Jugo		and temperature will be less. So soil
		C L I	moisture should be maintained in the
			field. Proper drainage should be
	MAMIT		maintained. Make channel to drain out
	0.0000000		excess water.
	1	(ARZAWIL)	4 Water level shall be maintained for
			better transplant.
		6 5	 Plough the field two to three times.
		1 66	 According to forecast probability of rain
			will be moderate to high and
	500		temperature will be less so run off and
	12		proper drainage should be maintained
		SERCHN	in the field.
		M. Long	4 Transplant 2-3 seedlings in one place
	5		for avoid gap filling.
			↓ Spacing should be 20 cm row to row
	1		and 15 cm plant to plant.
		LUNGLEI	4 Keep some seedlings in nursery or
	2	No. of Article States and Articl	corner of the field for gap filling.
Jhum Rice	Vegetative	1946	According to forecast probability of less
	stage	n 2~	rain and temperature will be high, so
		10	maintain soil moisture in the field
	8	Charles M	properly.
		2 1 5 1	4 Earthing up soil for better growth and
		1 55 7	stability in root zone.
			4 Use split dose of any nitrogenous
		COLO IT DIAMONT	fertilizer for better growth.
Kharif pulses	Germination	SAIHA	4 According to forecast probability of
(Green gram,	stage	(SAINA	huge rain and temperature will be low,
Black gram and	Ŭ		so maintain the drainage channel
Rajma)			around the field properly.
		P 12 1	
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		A	Gap filling is required due to poor germination percentage due to high rainfall.
	5	λ	4 Weeding must be done to reduce crop
	1 6	2 8	weed computation.
VEGETABLE CR	ОР		
Ginger and turmeric	Sowing stage	Ly S	 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha)
	S		for desire plant population.
	1	5 6	4 Apply well decomposed FYM/ pig
		5 54	manure @ 10-20 t/ha along with
	20		120:80:60 kg N, P_2O_5 and K_2O/ha
	J' MAMMIT		incorporate with soil before sowing.
	S	LAIZAWIL I	Half nitrogen dose will use at the time
		Conserve.	of sowing and remaining 25% after one
		1	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	No all	According to forecast probability of
us crop			less rain and temperature will be high,
	20		so maintain soil moisture in the field
	1)		properly.
	5	SERCHN	+ Provide split doses of urea (70g/pt) at
		V~1_	the time of full blooming.
	2		Apply irrigation every alternate day or
			use straw mulch for conserve soil moisture.
	F		In large gardens apply carbaryl 0.2 per
	and the second sec	A Constant Heal	cent or malathion 0.15 per cent
	S	LUNGLEI	suspension containing sugar or
	1		jeggery at 10 g/l at fortnightly
	5	m 8~	intervals at flowering and fruit
		16	initiation against fruit fly and
	1	P Var and V	pumpkin beetle.
Chilli	Vegetative to	2 1 5 1	4 According to forecast probability of
	flowering	1 55 7	less rain and temperature will be high,
	stage		so maintain soil moisture in the field
		LAWNGTLAN	properly.
		SAIHA	4 Earthing up soil for better growth and
		(()	stability in root zone.
			Apply irrigation every alternate day or
			use straw mulch for conserve soil
		R N N	
			6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	7	Fruit fly	 moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage MAMIT	AIZAWL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
Colocasia	Sowing stage		 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	NDARY		
Pig	All stages	LAWNGTLAUS	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
L	1		7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

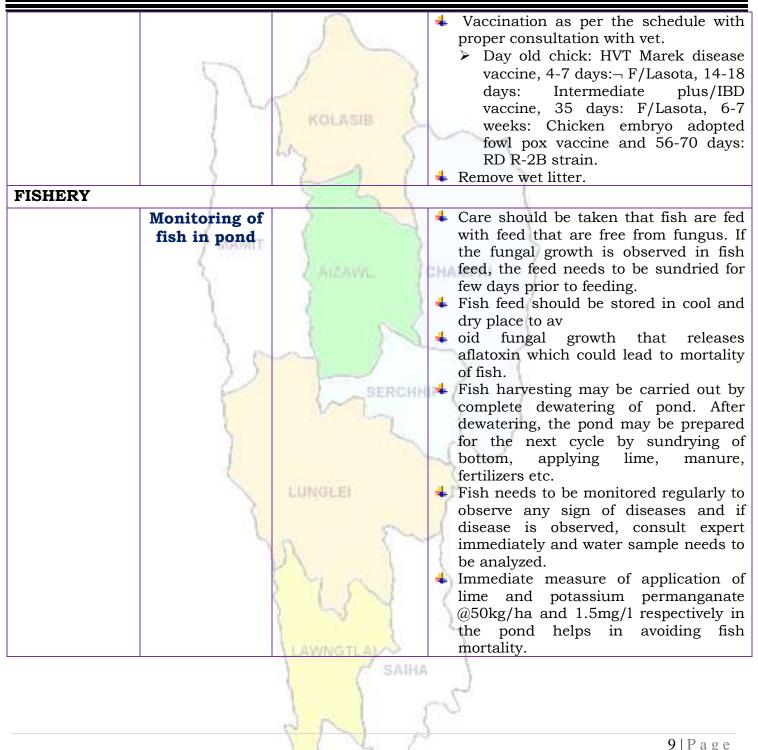


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	 vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group	LUNGLEI	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	LAWNGTLAL	 Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water
		PN A	8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Current of the second sec

Guwahati)



District: Serchhip

Period: 08 August - 12 August, 2018

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Max RH (%)	100	100	100	100	100	
Min RH (%)	56	51	84	75	66	
Wind Speed (KmpH)	2	2	0	2	2	
*Wind Direction	E	S-E	S-E	E	S-E	
Northe	rly- N, North-l	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark>	,	
Souther	rly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , W	esterly-W, North	n-westerly- N-W	7.	
		30, 2018 (Percent				
Aizawl- 383.68mm		i- 239.49mm	Saiha- 109.52 m		<mark>b</mark> - 352.38mm	
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)	
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(285.5mm)		(186.21mm)	(442.80n		(25.9mm)	
Weather summary		08 th August –				
three day	S	sa dinhmun tur tlangpui				
Maximum Tem. (°C):2	25-27ºC ′	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A				
Maximum RH (%):97-		vawh lai ber in 14-16°C ni tura beisei a ni. RH san lai				
Minimum RH (%):71-	000/	berin 100% leh a hniam lai berin 51-84% ni tur a rin niin.				
Wind Direction: Sout	hoostorly	Thli hi darkar khatah 0-2 km vela chakin chhaklam awi				
Cloud cover: Mainly of						
Wind speed: 3.18 km	/ nr	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
		hian khawthiang tak hmuh beisei a ni.				
Rainfall: 36.0 mm						
		Week	ly cumulative	rainfall: 44.0	Jmm	
		North East Ration				
NDVI for Mizoram		Sector Cart resident 241	J	wet mildly d	lry/mildly wet	
		AT2 1	conditions			
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ICAR RESEARCH COMPLEX FOR NEH REGION

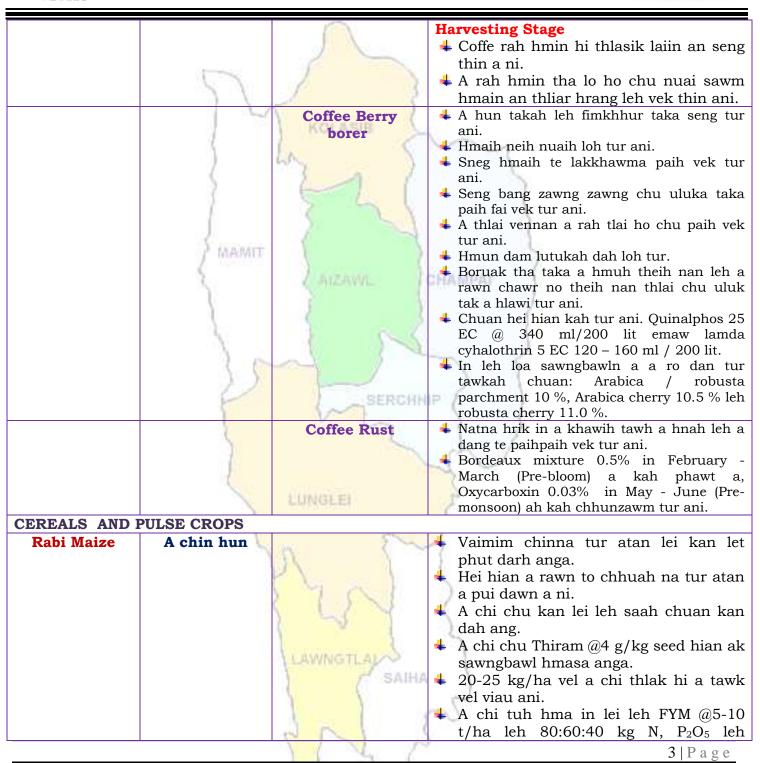


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	velah dahkhawm tur ani.
LIME)	La l	4 Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2	theihna turin a hmunhma a hnim awm
		21	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 meaning	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	2 ATZAWAL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	Nº La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 g/l.
PLANTATION CR			
COFFEE	All stages	111110111111	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	5	n 7~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		The set 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
		N	buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		((5411)4	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		8 N A	210
			2 P a g e



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	2	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease		 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		612 2	4 P a g e



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Onion and		KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
Onion and capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
		PN 2	
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAL
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	6 P a g e



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	5		 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	211	a puitlingh chuan R_2B vaccine pek tur ani.
	1	2 5	➡ B complex with antibodies
	1	4 th weeks	Coccidiosis- Amprolium or coccidiostat
	/ MADATE	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	ATZAWIL	CHAMPAI
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		< < < >	710000
			7 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Aizawl

Period: 08 August - 12 August, 2018

Date of issue: 07th August, 2018

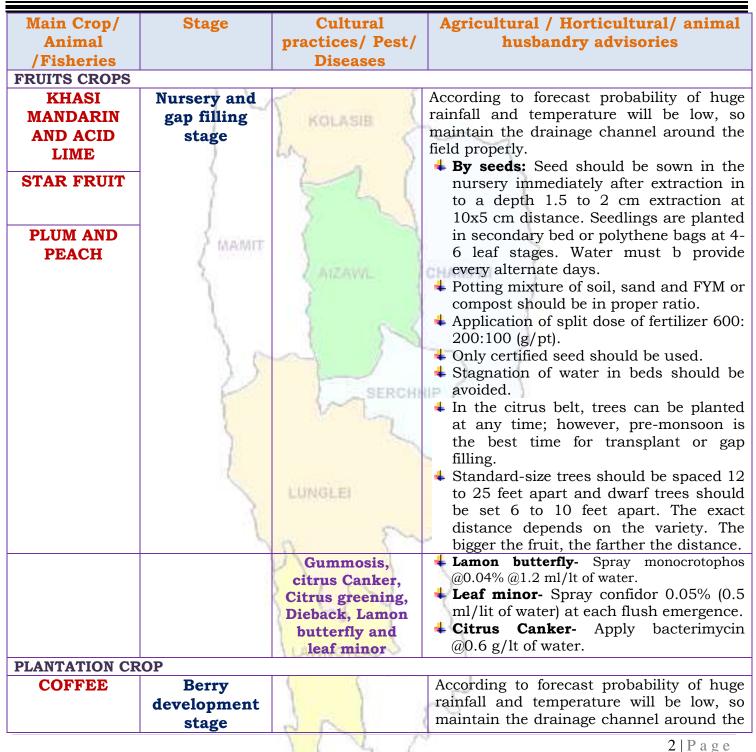
Rainfall (mm)1016491928Max Temp (°C)3030302930Min Temp (°C)1414151515Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyMainly cloudyMainly cloudyMax RH (%)1009999100100Min RH (%)1009999100100Min RH (%)54537776666Wind Speed (KmpH)33222*Wind DirectionS-ES-EEESNorth-Easterly- N.E, Easterly- E, South-Easterly- S, Southerly- S, South-Westerly- NW, Westerly-W, North-westerly- N-W.Status of Pre Monsoon- June 1-30, 2018 (<i>Percent of deviation from normal in parenthesis</i>)Aizavi-383.68mmChamphai: 239,49mmSaiha-109,52 mmKolasib-352.38mm(341.8mm)(250.30mm)(87.2mm)(380.9mm)(285.5mm)Unglei-344.00mmManit 449,48mmSerchlip-411.72mmWeather summary of the past three daysWeather forecast valid from O8*August, 2018 To 12 th August, 2018 To 12 th August, 2018 To 12 th (186.21mm)Manit 449,484mMaximum Tem. (°C):16-19°C Maximum RH (%):92-86%Wind Direction: Southeasterly Cloud cover: Mainly cloudy Woild be southeasterly to easterly and southerly with the would be southeasterly to easterly and southerly with the wind	Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018		
Min Temp (°C)1414151515Cloud CoverageMainly cloudyMainly	Rainfall (mm)	10	16	49	19	28		
Cloud Coverage Mainly cloudyMainly cloudy slaw slawMainly cloudy slaw slawMainly cloudy slaw slawM	Max Temp (°C)	30	30	30	29	30		
Max RH (%)1009999100100Min RH (%)5453777666Wind Speed (KmpH)33222Wind DirectionS-ES-EEESNortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W. Status of Pre Konsoon- June 1-30, 2018 (Pre-ent of deviation from normal in parenthesis) Aizawl- 383.68mm (341.8mm)Champhai- 239.49mm (250.30mm)Saiha- 109.52 mm (87.2mm)Kolasib- 352.38mm (880.9mm) (250.30mm)Aizawl- 383.68mm (341.8mm)Champhai- 239.49mm (250.30mm)Saiha- 109.52 mm (87.2mm)Kolasib- 352.38mm (880.9mm)Meatter summary of the past three days(250.30mm) (186.21mm)Manii-449.48mm (442.80mm)Serchhip-411.72mm (25.9mm)Weather summary of the past three daysThere are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days. The maximum and minimum temperatures for the next 5 days. The maximum and minimum temperatures for the next 5 days. The saminum and form 53-77%. Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days.NDVI for MizoramWeekkly cumulative rainfall: 122.0 mm Mildly dry condition occurs in all districts of Mizoram.	Min Temp (°C)	14	14	15	15	15		
Min RH (%)5453777666Wind Speed (KmpH)33222*Wind DirectionS-ES-EEESNortherly- N, North-Easterly- N-E, Easterly- S. South-Westerly- S. W, Westerly- W, North-westerly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.Status of Pre Monsoon- June 1-30, 2018 (Percent of deviation from normal in parenthesis) (285.03mm)Saiha- 109.52 mm Kolasib-352.38mm (380.9mm) (285.23mm)Laward-1321.51mm (285.51mm)Lunglei-344.00mm (285.21mm)Mamit-449.48mm (442.80mm)Serchhip-411.72mm (25.9mm)Weather summary of the past three daysWeather forecast valid from 08thAugust, 2018 To 12th August, 2018.New Status of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for Maximum R1 (%):72-86%There are chances of moderate to heavy rainfall during the next 5 days.	Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Min RH (%) 54 53 77 76 66 Wind Speed (KmpH) 3 3 2 2 2 *Wind Direction S-E E E S Northerly- N, North-Easterly- N-E, Easterly- S. South-Westerly- S. W, Westerly- W, North-westerly- S-E, Southerly- S, South-Westerly- S. W, Westerly- W, North-westerly- N-W. Status of Pre Monsoon- June 1-30, 2018 (Percent of deviation from normal in parenthesis) Aizawi- 383.68m Champhai- 239.49m Saiha- 109.52 mm Kolasib- 352.38mm (341.8mm) (250.30mm) (87.2mm) (380.9mm) Lawngtlai-321.51mm Lunglei-344.00mm Mamit-449.48mm Serchhip-411.72mm (285.5mm) (186.21mm) (442.80mm) (25.9mm) Weather summary of the past three days Weather forecast valid from 08thAugust, 2018 To 12th Maximum Tem. (°C):16-19°C Weather forecast valid from 08thAugust, 2018 To 12th August, 2018. Maximum RH (%):72-86% There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for would be southeasterly to easterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days. Wain Speed: 3.84 km/hr Set Integer Set Integer Midly dry condition occurs in all districts of Mizoram.<		100	99	99	100	100		
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Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.Status of Pre Monsoon- June 1-30, 2018 (Percent of deviation from normal in parenthesis) Aizawl- 383.66mm Champhai- 239.49mm Saiha- 109.52 mm Kolasib- 352.38mm (341.8mm) (250.30mm) 8(7.2mm) (380.9mm) (285.21mm) (285.21mm)	Wind Speed (KmpH)	3	3	2	2	2		
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(341.8mm) Lawngtlai-321.51mm (285.5mm)(250.30mm) Lunglei-344.00mm (87.2mm)(380.9mm) Serchhip-411.72mm (242.80mm)Weather summary of the past three days(442.80mm)(25.9mm)Weather summary of the past three daysWeather forecast valid from 08thAugust, 2018 To 12th August, 2018.Maximum Tem. (°C):27-28°C Minimum RH (%):72-86% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.84 km/hrThere are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 14-15°C. Maximum relative humidity is expected in the range of 99- 100% and minimum may from 53-77%. Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 122.0 mm Midly dry condition occurs in all districts of Mizoram.								
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Maximum RH (%):94-98% Minimum RH (%):72-86% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.84 km/hr Rainfall: 46.3 mm NDVI for Mizoram Maximum relative rainfall: 122.0 mm Multiple rain fall: 122.0 mm Multiple rainfall: 122.0 mm	Maximum Tem. (°C):2	27-28°C	There are chanc	es of moderate	to heavy rainfa	all during the		
Maximum RH (%):94-98% Minimum RH (%):72-86% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.84 km/hr Rainfall: 46.3 mm NDVI for Mizoram Image: South and the speed of th	Minimum Tem. (°C):1	6-19°C	next 5 davs. The	maximum and	l minimum tem	peratures for		
Minimum RH (%):72-86% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.84 km/hr Rainfall: 46.3 mm NDVI for Mizoram Meret lat later Meret lat later Minimum relative humidity is expected in the range of 99- 100% and minimum may from 53-77%. Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days. Weekly cumulative rainfall: 122.0 mm Minimum for Mizoram	Maximum RH (%):94-		~			-		
Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.84 km/hr Mathindin Telative Infinitity is expected in the range of 35 100% and minimum may from 53-77%. Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days. NDVI for Mizoram Weekly cumulative rainfall: 122.0 mm Mildly dry condition occurs in all districts of Mizoram.	Minimum RH (%):72-		•					
Cloud cover: Mainly cloudy Wind speed: 3.84 km/hr 100% and minimum may nom 33-77%. Whith diffection would be southeasterly to easterly and southerly with the wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days. NDVI for Mizoram Weekly cumulative rainfall: 122.0 mm Mildly dry condition occurs in all districts of Mizoram.	Wind Direction: Sout	heasterly		2		U		
wind speed: 3.84 km/hr wind speed of 2-3 km per hour. Manly cloudy sky will prevail during the next five days. Weekly cumulative rainfall: 122.0 mm NDVI for Mizoram		vbuole		•				
Rainfall: 46.3 mm prevail during the next five days. Weekly cumulative rainfall: 122.0 mm NDVI for Mizoram Image: Structure of the	Wind speed: 3.84 km	/ пг						
Weekly cumulative rainfall: 122.0 mm NDVI for Mizoram	-		-		•	udy sky will		
NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram.	Rainfall: 46.3 mm		prevail during th	e next five day	s.			
NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram.								
NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram.				cumulative r	ainfall: 122.0	mm		
	NDVI for Mizoram		North East Region 29 /	Mildly dry	condition oc	curs in all		
			~	districts of	Mizoram.			
			E C	1=				
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			and a second	1.				
			• 8 • •	· -				
			Agriculture eignet is moderate over some at the pression.	en ha				
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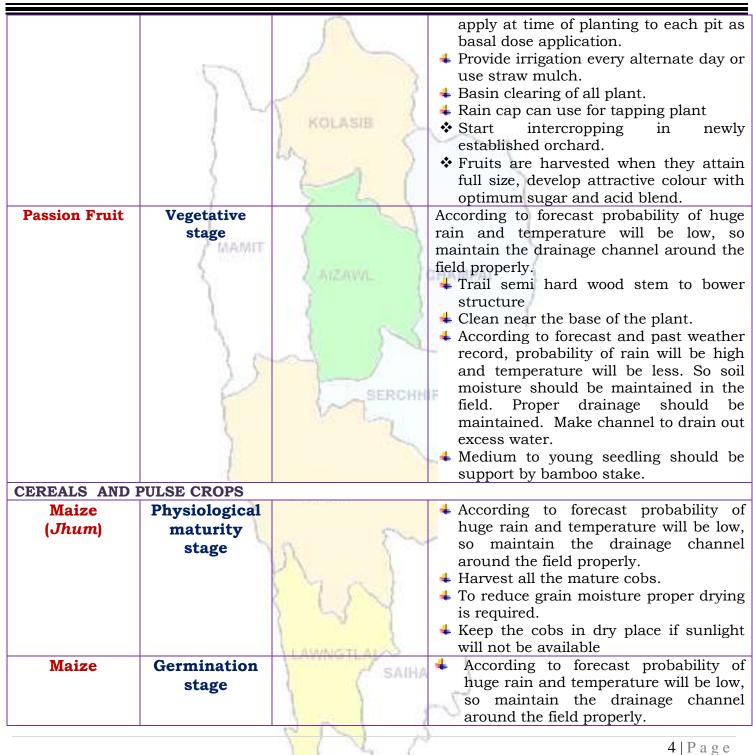


Rubber	Transplanting and gap filling	KOLASIB AIZAWA SERCHH	 field properly. Coffee should be grown as a single stem system. Pruning is required to: Supply good healthy wood for the next season's crop; maintain the correct balance between leaf area and crop; Prevent overbearing and dieback; Reduce biennial bearing; Maintain good tree shape. De suckering- De-sucker to maintain a single stem system and avoid competition from suckers Remove 'fly crop' fruit (early fruit which compete with strong plant/root development) as they appear. Weeding Weeding or basin clearing must be done for better growth and development. According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.
		my	 maintain the drainage channel around the field properly. Start planting newly established place. Weeding must be done. Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to
Oil plam	Vegetative/ Harvesting stage	LAWINGTLAL	 Basin clearing of all established plant. Rain cap can use for tapping plant Start intercropping in newly established orchard. According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the formation.
			field properly. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be 3 P a g e



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			📙 Gar	o filling is required due to poor
			geri	mination percentage due to high
			-	nfall.
				eding and fertilizer application
	2.1	1 5		st be done.
				bability of stem borer infestation
		KOLASIB		be high. Spray any systemic
	1	6		ecticide.
771 .0 5.	7 1 4 1	64 N		
Kharif Rice	Transplanting	1 1		ording to forecast and past weather
	stage			rd, probability of rain will be high
	1	2 5 1		temperature will be less. So soil
		D = - C		sture should be maintained in the
	S and a second			. Proper drainage should be
	1 MAMIT	2 2	mair	ntained. Make channel to drain out
	5	AIZAWAL 1	exce	ss water.
	1	Concernant 1	🕹 Wate	er level shall be maintained for
		5	bette	er transplant.
	5.	5	\rm 4 Plou	gh the field two to three times.
	1	1 54	\rm Acco	ording to forecast probability of rain
	1	3 4	will	be moderate to high and
	10		tem	perature will be less so run off and
	12			er drainage should be maintained
		SERCHN		ne field.
		V La		splant 2-3 seedlings in one place
	5			void gap filling.
				cing should be 20 cm row to row
			-	15 cm plant to plant.
	100	A March 1997 Table		some seedlings in nursery or
		LUNGLEI	_	er of the field for gap filling.
Jhum Rice	Vegetative			ording to forecast probability of less
Junit Kice	-	Start Start		and temperature will be high, so
	stage	A Vie		ntain soil moisture in the field
		M Tost		perly.
				hing up soil for better growth and
				ility in root zone.
				split dose of any nitrogenous
	a i i	LAWNGTLAL		lizer for better growth.
Kharif pulses	Germination	- SAIHA		ording to forecast probability of
(Green gram,	stage			ge rain and temperature will be low,
Black gram and				maintain the drainage channel
Rajma)			aro	und the field properly.
		C N		7 D -
				5 P a g e



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VEGETABLE CROP Ginger and turmeric Sowing stage Cucurbitaceo us crop Fruiting stage Fruiting stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture Chilli Vegetative to flowering stage In large gardens apply carbaryl 0.2 per cent or malathino 0.15 per cent suspension containing sugar or jeggery at 10 g/l at formightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Chilli Vegetative to flowering stage According to fore				
Ginger and turmeric Sowing stage Bell and the should be treated with Thiram (a/4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure (a) 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Hain introgen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Cucurbitaceo us crop Fruiting stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Chilli Vegetative to flowering stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture: In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or use straw mulch for the flow properly. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil Sami and temperature will be high, so		57	\sum	 germination percentage due to high rainfall. Weeding must be done to reduce crop
turmeric @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% atfrowering stage. Cucurbitaceo us crop Fruiting stage Vegetative to flowering stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Chilli Vegetative to flowering stage In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit properly. Chilli Vegetative to flowering stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Chilli Vegetative to flowering stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. 4 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. 4 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. 5 According to forecast probabili			KOLASIH	
us crop less rain and temperature will be high, so maintain soil moisture in the field properly. Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle. Chilli Vegetative to flowering stage According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil moisture in the field properly.			AIZAWL	 @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one
 flowering stage less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil 		Fruiting stage	my	 Provide split doses of urea (70g/pt) at the time of full blooming. Apply irrigation every alternate day or use straw mulch for conserve soil moisture. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and
 stage stage so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil 	Chilli	Vegetative to	2 1 5 1	+ According to forecast probability of
 stage properly. Earthing up soil for better growth and stability in root zone. Apply irrigation every alternate day or use straw mulch for conserve soil 		flowering	1 -2 1	less rain and temperature will be high,
		stage		4 Earthing up soil for better growth and
			6 1 1	6 P a g e



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	7	Fruit fly	 moisture. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative stage	AIZAWL	 According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative stage	SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
Colocasia	Sowing stage		 Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN			
Pig	All stages	LAWNGTLAUS	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
L	1	VIL 1	7 P a g e



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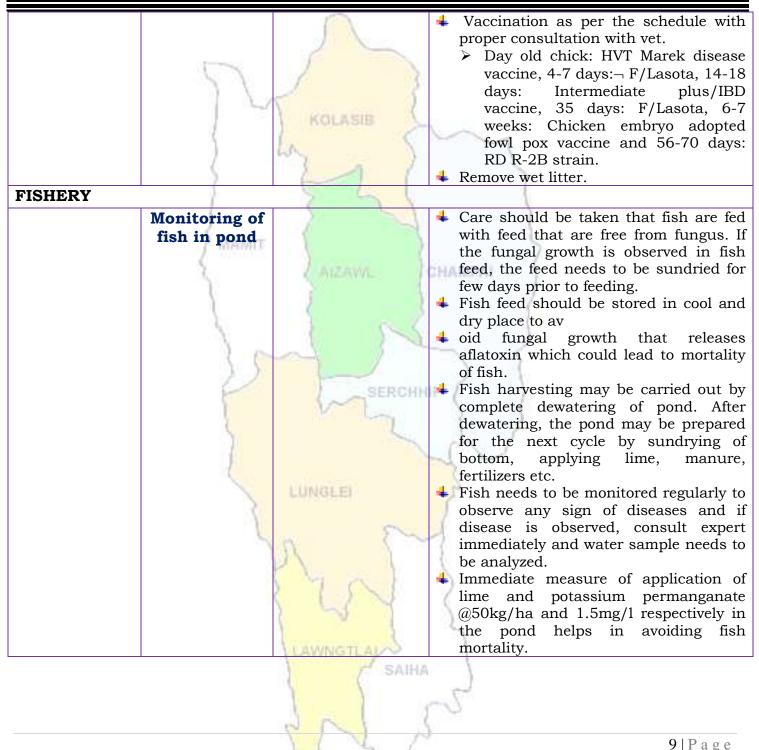


	7	Porcine Reproductive Respiratory Syndrome (PRRS).	 vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group	AIZAWAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be tagmed abort
Poultry	All age group	LAWNGTLAL	 teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.
		SIN A	8 P a g e



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Current of (

Guwahati)



District: Aizawl

Period: 08 August - 12 August, 2018

Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018		
Rainfall (mm)	10	16	49	19	28		
Max Temp (°C)	30	30	30	29	30		
Min Temp (°C)	14	14	15	15	15		
Cloud Coverage	Mainly cloudy	/ Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	99	99	100	100		
Min RH (%)	54	53	77	76	66		
Wind Speed (KmpH)	3	3	2	2	2		
*Wind Direction	S-E	S-E	E	E	S		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
		-30, 2018 (Percent					
Aizawl- 383.68mm	Champha	ai- 239.49mm	Saiha- 109.52 m		352.38mm		
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm	Lunglei	-344.00mm	Mamit-449.48m	· · · · · · · · · · · · · · · · · · ·	-411.72mm		
(285.5mm)		(186.21mm)	(442.80n		(25.9mm)		
Weather summary		08 th August –	12 th August,	2018 chhur	iga sik leh		
three day	S	sa dinhmun tur tlangpui					
Maximum Tem. (°C):2	27-28°C	Tun ni 5 chhur			i tla miahlo		
Minimum Tem. (°C):1		tura beisei a ni.	0				
Maximum RH (%):94-					0		
Minimum RH (%):72-		vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 53-77% ni tur a rin					
Wind Direction: Sout							
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi dar					
Wind speed: 3.84 km	· · · · · · · · · · · · · · · · · · ·	awi zawngin a tle		01	i nga chhung		
wind speed. Old I him	/	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 46.3 mm							
		Weekly	j cumulative r	ainfall: 122.0	mm		
NDVI for Mizoram		North East Region	Mildly dry	condition of	curs in all		
			districts of		curo in un		
		533	1.0.0	Mizorain.			
			45-479 476-447 48-648				
		CBAR -	53 67 53 68				
			14 641 446 641 11.000				
		•B =	140 AL				
		Agriculture vigour is moderate over some of	the par				
		region.					
		V/V	M		1 Page		

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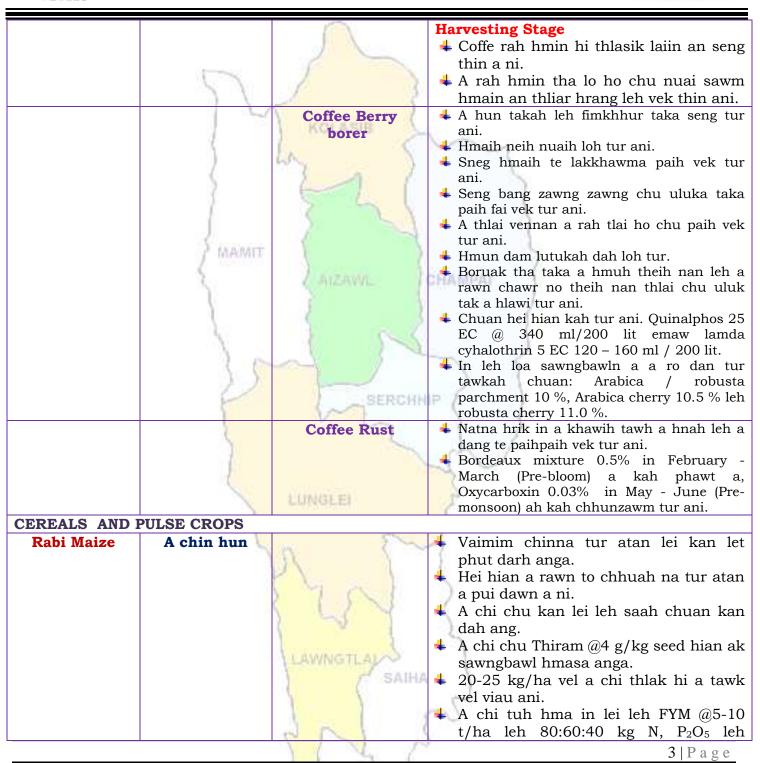


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		C C	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		🖊 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	MAINT		4 A seng hma kar 6 chhung chu tui tha
	2	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		Cummosia eitmus	4 Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh
	100	Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu
	5	No. Com	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
		~	suspension containing sugar or jeggery at
DI ANGAGION OD	0.7		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	550	+ Thlai chi thlak hma in Azospirillum leh
	1	n (~~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 25-1	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
		And the second sec	4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
) / SAIHA	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N N	
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ICAR			
	2	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CRO	Sowing stage	AIZAWAL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAN	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



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Onion and	Nursery stage	Poly house	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	MAMIT	AIZAWAL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	1 (19)(2) E)	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam
		6 N 2	
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	6 P a g e



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 Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei. 				
measures 1-6 ah F1 vaccine pek tur ani a, chuat a puttingh chuan R2B vaccine pek tur ani. 4th weeks Coccidiosis- Amprolium o coccidiostat 4-5th Weeks Coccidiosis- Calcium tonic fortified with B12 PISHERY Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a phoro phawt tur ani. * Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatxin avang a sangha thi la' atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih at i awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te nata a anta hmuh anii chuan pek tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natna avang a thi tur la' atangin a veng thei.		5	\sum	 tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
A puitlingh chuan R ₂ B vaccine pek tu ani. B complex with antibodies 4 th weeks 4 - 5th Weeks 4 - 5th Weeks 4 - Calcium tonic fortified with B ₁₂ 7ISHERY Monitoring (Sangha enkawl) 5 Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. 5 Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. 5 Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. 5 A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l ditui a hman hia sangha natna avang a thi tur lal atangin a veng thei.		10	0-3 rd week	
4th weeks 4 Coccidiosis- coccidiostat Amprolium coccidiostat 4-5th Weeks 4 Calcium tonic fortified with B12 PISHERY 4 Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw ilo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. Sangha chaw hi enkawi) 5 Sangha te hi chaw a hmuar kai h thunn ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawm phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah foa tur ani. A ranglam a chinai @50kg/ha lel tusen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei.		measures	m2)	a puitlingh chuan R ₂ B vaccine pek tu
4-5th Weeks FISHERY Monitoring (Sangha enkawl) (Sangha enkawl) Amage: Sangha (Sangha enkawl) Sangha (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turii hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn, phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lal atangin a veng thei.		5	SL	🔸 B complex with antibodies
4-5th Weeks 4 Calcium tonic fortified with B12 FISHERY Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw io hmuar anih chuan pek hma in ni si a phoro phawt tur ani. Sangha chawl Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lad atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha hawinan a di buatsaih a ti awlsam a, dil mawn, phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lal atangin a veng thei.			4 th weeks	4 Coccidiosis - Amprolium c
 FISHERY Monitoring (Sangha enkawi) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Di sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei. 		S and	1	coccidiostat
 Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lal atangin a veng thei. 		T INPOVIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
 (Sangha enkawi) (Sangha enkawi) (Sangha enkawi) (Sangha chawi) (Sangha a him paha thin. (Di sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. (Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. (A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lal atangin a veng thei. 	FISHERY	3	AIZAWIL	CHAMPAI }
		(Sangha		 chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Champhai

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Period: 08 August - 12 August, 2018

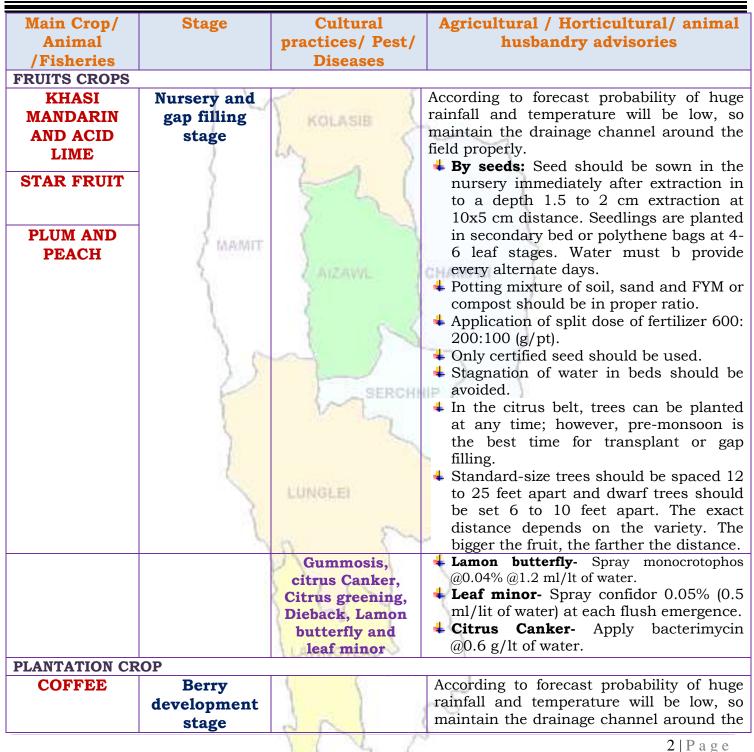
			4.5			
Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	6	12	38	37	50	
Max Temp (°C)	30	30	30	29	30	
Min Temp (°C)	14	14	15	15	15	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	100	100	100	
Min RH (%)	59	52	82	83	78	
Wind Speed (KmpH)	2	2	2	0	2	
*Wind Direction	S-E	S	S-E	S-E	S-W	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mo		-30, 2018 (Percent				
Aizawl- 383.68mm	-		<mark>aiha</mark> - 109.52 mm		352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm	-	0-411.72mm	
(285.5mm)		.86.21mm)	(442.80mm		(25.9mm)	
Weather summary		weather loreca			J18 10 12 th	
three day			August,			
Maximum Tem. (°C):2		There are chance		U	0	
Minimum Tem. (°C):1		during the next	0			
Maximum RH (%):91-		temperatures for	the next 5 d	ays may range	for 29-30°C	
Minimum RH (%):72-		and 14-15°C. M	laximum relati	ve humidity is	expected in	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	the range of 100	% and minimu	am may from 5	2-83%. Wind	
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·	direction would		2		
Wind speed: 3.34 km	/hr			2	<i>.</i>	
		southeasterly and southwesterly with the wind speed of 0- 2 km per hour. Partially clear sky will prevail during the				
Rainfall: 32.6 mm		next five days.				
		ficat five days.				
		TTTe eleter				
				ainfall: 143.0		
NDVI for Mizoram			5 5	condition oc	curs in all	
		~~~~~ III	districts of	Mizoram.		
			-			
			1			
		Q.	1-			
		Aprilations vigner to moderate over some of the pe	n har			
		region.	1			
		Y Y	12		1   Page	

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#### ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 

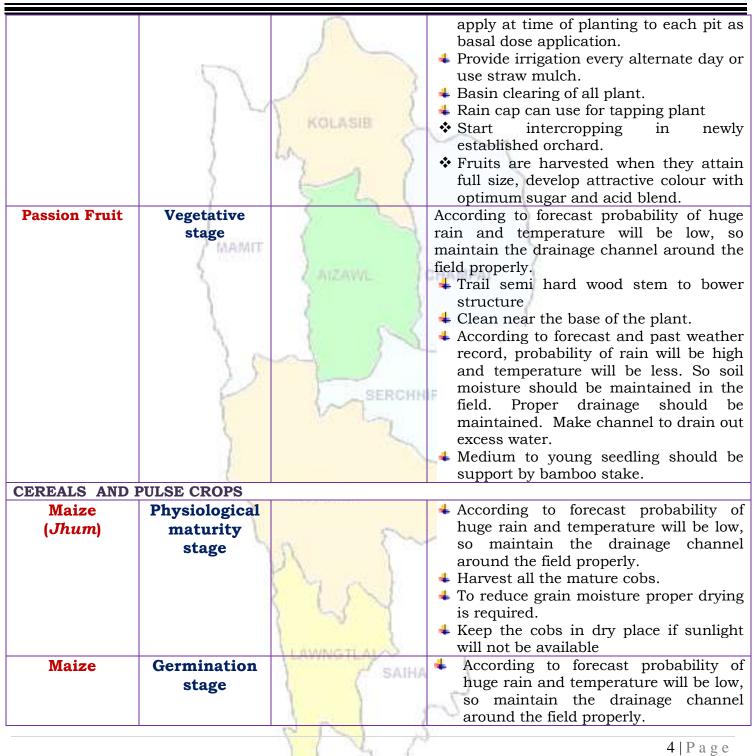


			field properly.
			♣ Coffee should be grown as a single stem
			system. Pruning is required to:
			<b>4</b> Supply good healthy wood for the next
	2.1	2 2	season's crop;
		N	<b>↓</b> maintain the correct balance between leaf
		KOLASIB	
	1	0.	area and crop;
	)	60 J	Prevent overbearing and dieback;
	S	2 1 1	Reduce biennial bearing;
	5	and a second sec	4 Maintain good tree shape.
	1		De suckering-
			<b>4</b> De-sucker to maintain a single stem system
	MAINIT	1	and avoid competition from suckers
	6 0.0000		<b>4</b> Remove 'fly crop' fruit (early fruit which
	10	ATZAWIL	compete with strong plant/root
			development) as they appear.
		6 5	Weeding
	S	1 55	<b>4</b> Weeding or basin clearing must be
			done for better growth and
	5.0		development.
Rubber	Transplanting	Contraction of the second	
Rubber	Transplanting	SERCHN	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so
Rubber		SERCHH	According to forecast probability of huge
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.
Rubber	and gap	SERCHH	According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place.
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> </ul>
Rubber	and gap		According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly. Start planting newly established place.
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic</li> </ul>
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate</li> </ul>
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to</li> </ul>
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> </ul>
Rubber	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> </ul>
Rubber Oil plam	and gap	my	<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly</li> </ul>
	and gap filling		<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>According to forecast probability of huge rain and temperature will be low, so</li> </ul>
	and gap filling Vegetative/ Harvesting		<ul> <li>According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.</li> <li>Start planting newly established place.</li> <li>Weeding must be done.</li> <li>Apply 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> <li>Basin clearing of all established plant.</li> <li>Rain cap can use for tapping plant</li> <li>Start intercropping in newly established orchard.</li> <li>According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel around the</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**



Kharif Rice       Transplanting stage         Kharif Rice       Transplant Sage         Kharif Rice       Transplant Sage         Kharif Rice       Transplant Sage         Kharif Rice       Transplant Sage         Karif Sage       Sage maintained in the field.         Transplant Sage       Transplant Sage         Sage Mold be Sage       Sage maintained in the field.         Thum Rice       Vegetative stage         Jhum Rice       Vegetative stage         Jhum Rice       Vegetative stage         Jhum Rice       Vegetative stage         J				
Kharif Rice       Transplanting stage       Image: Stage       Probability of stem borer infestation will be high. Spray any systemic insecticide.         Kharif Rice       Transplanting stage       According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.         Water level shall be maintained for better transplant.       Plough the field two to three times.         According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.         Jhum Rice       Vegetative stage         Kharif pulses (Green gram, Black gram and Rajma)       Germination stage			🔼 🔺 Gap filling is require	d due to poor
Kharif Rice       Transplanting stage       * Weeding and fertilizer application must be done.         Kharif Rice       Transplanting stage       * According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.         * Water level shall be maintained for better transplant.       * Plough the field two to three times.         * According to forecast probability of rain will be be maintained for better transplant.       * Plough the field two to three times.         * According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.         Jhum Rice       Vegetative stage       * Spacing should be 20 cm row to row and 15 cm plant to plant.         Kharif pulses (Green gram, Black gram and Rajma)       Germination stage       Sate			germination percentag	ge due to high
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Kharif Rice       Transplanting stage       According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.         Water level shall be maintained for better transplant.       Plough the field two to three times.         According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.         Jhum Rice       Vegetative stage         Jhum Rice       Vegetative stage         Kharif pulses (Green gram, Black gram and Rajma)       Germination stage			1/1 LEADER DEPTER	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	$\sum$	<ul> <li>Gap filling is required due to poor germination percentage due to high rainfall.</li> <li>Weeding must be done to reduce crop weed computation.</li> </ul>
VEGETABLE CR		KOLASIH	
Ginger and turmeric	Sowing stage	AIZAWL	<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Cucurbitaceo us crop	Fruiting stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil moisture.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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	7	Fruit fly	<ul> <li>moisture.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.</li> </ul>
Cowpea	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra	Vegetative stage	SERCHH	According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field
Colocasia	Sowing stage		<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEI			
Pig	All stages	LAWNGTLAL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

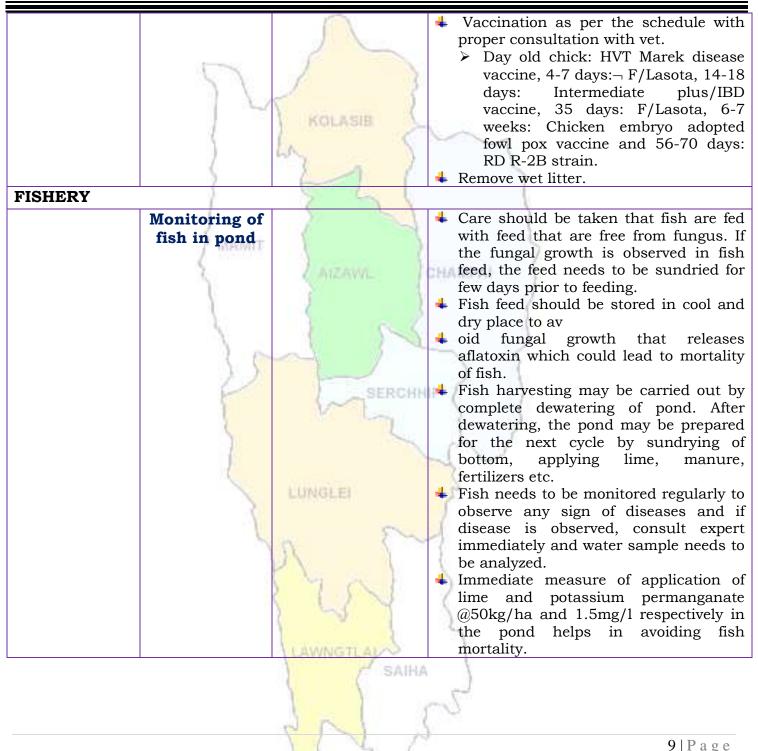


	P	Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	AIZAWA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAL	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 







### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Champhai

Period: 08 August - 12 August, 2018

<b>Bulletin No:</b>	- 8	814/2018	8/	Bulletin/Mizo	
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Date of issue: 07th August, 2018

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Parameters	08.08.2018		10.08.2018	11.08.2018	12.08.2018		
Rainfall (mm)	6	12	38	37	50		
Max Temp (°C)	30	30	30	29	30		
Min Temp (°C)	14	14	15	15	15		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	100	100	100	100		
Min RH (%)	59	52	82	83	78		
Wind Speed (KmpH)	2	2	2	0	2		
*Wind Direction	S-E	S	S-E	S-E	S-W		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Pre Mo	nsoon- June 1	-30, 2018 (Percent	of deviation from	n normal in pare	nthesis)		
Aizawl- 383.68mm	Champha	<b>i-</b> 239.49mm	Saiha- 109.52 m	m Kolasib-	352.38mm		
(341.8mm)		(250.30mm)	(87.2m		(380.9mm)		
Lawngtlai-321.51mm	Lunglei	-344.00mm	Mamit-449.48m	m Serchhij	p-411.72mm		
(285.5mm)		(186.21mm)	(442.80n		(25.9mm)		
Weather summary	of the past	<b>08thAugust</b> –	12 th August,	2018 chhur	nga sik leh		
three day	s	sa dinhmun tur tlangpui					
Maximum Tem. (°C):2	27-29°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A					
Maximum RH (%):91-		vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai					
Minimum RH (%):72-							
Wind Direction: Sout		berin 100%leh a hniam lai berin 52-83% ni tur a rin niin.					
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	Thli hi darkar khatah 0-2 km vela chakin chhaklam awi					
Wind speed: 3.34 km	· · · · · · · · · · · · · · · · · · ·	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed. 5.54 km	/ 111	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 32.6 mm							
		Weekly	y cumulative r	ainfall: 143.0	mm		
NDVI for Mizoram		North East Region		condition oc			
NDVI IOI MIZOIAIII			5 5		cuis in an		
		512	districts of	mizoram.			
		Sitz	540 51 57 510 540 54				
		mon as	94 64 946 64 84 64				
		ACT I	Rafin De Nacional				
		00	N2- 040 N34- 114				
		w -					
		Agriculture vigour is moderate over some of region.	the p				
		8	2		4.1.0		
		1 L			1   P a g e		

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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

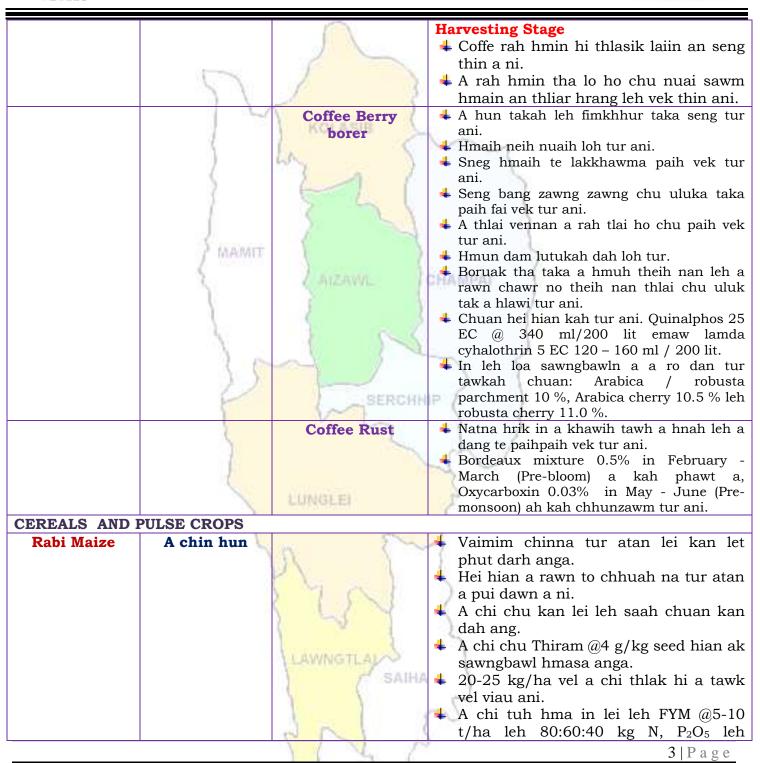


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS	•					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		Thomas 2	velah dahkhawm tur ani.			
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh			
		1 0 1	kar tin a tui pek thin tur ani.			
BANANA	1		4 Leia tha mamawh tawk a hmuh			
	6	2 5	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha			
	1 meaning	5	taka pek hian a rah tla tur chelh nan			
PLUM AND	3.0	ATZAWIL /	leh a rah than that nan te leh a rah			
			keh tur lakah t a veng thei ani.			
PEACH	l					
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna			
	1.1.2	canker, citrus	laka vennan Bordeaux past hi thing zar leh			
	5.0	greening and Dieback	a trangah te hnawih tur ani.			
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a			
	1	FILIT IYERCHN	rah tan tirin chawlhkar hnih chhung chu			
	1	Y La	heng te hian enkawl tur ani: carbaryl 0.2			
	5		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages	energy second l	Nursery stage			
		C	+ Thlai chi thlak hma in Azospirillum leh			
	5	n (~~	Phosphobacterium a enkawl tur ani.			
			A chi hi December – January ah hmun			
		M ALL	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.			
			+ Chuan a chi chu lei tlem te a chhilh a			
		1 -2 1	buhpawla khuh tur ani.			
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		- SAIHA				
		1 1	Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		VIV A	2   P a g e			
			2   1 d 5 C			



### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	5	$\sum$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR	Sowing stage	AIZAWA	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>



### **ICAR RESEARCH COMPLEX FOR NEH REGION**



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<ul> <li>French bean</li> <li>Sowing stage</li> <li>French bean</li> <li>Sowing stage</li> <li>A char a that theil nan nikhat danah tur ani.</li> <li>Thia bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha heani.</li> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha heani.</li> <li>Thui bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha heani.</li> <li>Thui pek a hnihnah hringa khuh tur ani a. than a that thei nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thi pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nam Mancozeb @ 2gm ah tui leter 1</li> </ul>	Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
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<ul> <li>na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>	radish		55	
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Image: Same series       Image: Same series         Image: Same se				
chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1			Contraction and Contraction	
Mancozeb @ 2gm ah tui leter 1				
			C SAIHA	8 8
nawiha kah fur ani				
pawina han tai ani,				pawina kan tur ani.
5   Page			8 N A	51D



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	<ol> <li>Vawknote emaw vawk lak hran.</li> <li>CHAMPAL</li> </ol>
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	<b>6</b>   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga :
	measures	6	1-6 ah F1 vaccine pek tur ani a, chua
		1 2 )	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1		B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium
	FMAMIT		coccidiostat
	Z. 1055005	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	( AIZAWIL )	GHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur an a, ninuar atang a tur to nisea thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh ti dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him ei tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, dilt enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
		P N N	715
			7   P a g e

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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Completit)

Guwahati)



### **District:** Kolasib

Period: 08 August - 12 August, 2018

Date of issue: 07th August, 2018

Parameters	08.08.2018	09.08.2018	10.08.2018	11.08.2018	12.08.2018	
Rainfall (mm)	16	16	42	23	25	
Max Temp (°C)	32	32	32	31	32	
Min Temp (°C)	23	24	25	24	25	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	99	100	100	100	
Min RH (%)	52	56	80	85	71	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	Е	E	Е	E	N-E	
Northe	rly- N, North-Ea	asterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-We	esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
				n normal in pare		
<b>Aizawl-</b> 383.68mm	Champhai- 2		<mark>aiha-</mark> 109.52 mm		352.38mm	
(341.8mm)		0.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm	Lunglei-344		lamit-449.48mm	-	-411.72mm	
(285.5mm)		6.21mm)	(442.80mm		(25.9mm)	
Weather summary		Weather fo		om 08 th Augus	t, 2018 To	
three da	<u>v</u>	12 th August, 2018.				
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):88- Minimum RH (%):77- Wind Direction: Sout Cloud cover: Mainly of Wind speed: 3.00 km Rainfall: 64.4 mm	2-23°C 100% 88% heasterly cloudy	the next 5 temperatures and 23-25°C. the range of 9 Wind directio the wind spee prevail during	days. The for the next 5 Maximum rela 99-100% and n n would be ea d of 2 km per g the next five o	<b>rainfall: 122.</b> condition oc	d minimum e for 31-32°C s expected in rom 52-85%. easterly with oudy sky will <b>0 mm</b>	
		Appendix signal is moderate over an			1   P a g e	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Animal /Fisheries       practices/ Pest/ Diseases       husbandry advisories         FRUITS CROPS       Nursery and gap filling stage       According to forecast probability of huge rainfal and temperature will be low, so maintain the drainage channel around the field properly.         STAR FRUIT       HBy seeds; Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4- 6 leaf stages. Water must b provide every alternate days.         PLUM AND PEACH       Potting mixture of soil, sand and FYM or compost should be in proper ratio.         Application of split dose of fertilizer 600: 200:100 (g/ pt).       Only certified seed should be used.         Stage       Stagation of water in beds should be avoided.         In the citrus belt, trees can be planted at any time; however, pre-monson is the best time for transplant or gap filling.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         PLANTATION CROP       COFFEE         COFFEE       Berry development		04	0 1/ 1			
/Fisheries       Pest/ Diseases         FRUITS CROPS       Nursery and gap filling stage       According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.         STAR FRUIT       By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4- H 6 leaf stages. Water must b provide every alternate days.         PLUM AND PEACH       Potting mixture of soil, sand and FYM or compost should be in proper ratio.         Polyting mixture of soil, sand and FYM or compost should be in proper ratio.         Application of split dose of fertilizer 600: 200:100 (g/pt).         Only certified seed should be used.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus Canker, Citrus Granker, Citrus Canker, Citrus Canker, Apply bacterimycin mUlti of water.         PLANTATION CROP         COFFEE       Berry development	Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal		
Diseases         FRUITS CROPS         KHASI MANDARIN AND ACID LIME       Nursery and gap filling stage       KOLASIE       According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field property.         FRUIT       STAR FRUIT       By seeds: Seed should be sown in the nursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4- 6 leaf stages. Water must b provide every alternate days.       Potting mixture of soil, sand and FYM or compost should be in proper ratio.         PLUM AND PEACH       Potting mixture of soil, sand and FYM or compost should be in proper ratio.       Application of split dose of fertilizer 600: 200:100 (g/pt).         Only certified seed should be used.       Stangation of water in beds should be avoided.         In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         # Lamon       Citrus greening, Dieback, Lamon       Eleaf minor         PLANTATION CROP       According to forecast probability of huge rainfall and temperature will be low, so				husbandry advisories		
FRUITS CROPS         KHASI MANDARIN AND ACID LIME       Nursery and gap filling stage       According to forecast probability of huge rainfall and temperature will be low, so maintain the drainage channel around the field properly.         STAR FRUIT       Hyseeds: Seed should be sown in the nursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4- 6 leaf stages. Water must b provide every alternate days.         PLUM AND PEACH       FOLING MARCH         PLUM AND PEACH       FOLING MARCH         PLUM AND PEACH       FOLING MARCH         PLUM AND PEACH       Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor         Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor       Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         COFFEE       Berry development       According to forecast probability of huge rainfall and temperature will be low, so	/Fisheries					
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MANDARIN AND ACID LIME       gap filling stage         STAR FRUIT       gap filling stage         Frainfall and temperature will be low, so maintain the drainage channel around the field property.         By seeds: Seed should be sown in the mursery immediately after extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4- 6 leaf stages. Water must b provide every alternate days.         PLUM AND PEACH       Peach         PEACH       Forting mixture of soil, sand and FYM or compost should be in proper ratio.         Application of split dose of fertilizer 600: 200:100 (g/pt).       Only certified seed should be used.         Stagnation of water in beds should be avoided.       Stagnation of water in beds should be avoided.         In the circus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus Canker, Citrus greening, Dibutterfly and leaf minor       Fuel minor         PLANTATION CROP       According to forecast probability of huge rainfall and temperature will be low, so	FRUITS CROPS					
MANDARIN AND ACID LIME       gap filling stage         STAR FRUIT       ainfall and temperature will be low, so field properly.         PLUM AND PEACH       bit stage         PLUM AND PEACH       a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4- 6 leaf stages. Water must b provide every alternate days.         Potting mixture of soil, sand and FYM or compost should be in proper ratio.         Application of split dose of fertilizer 600: 200:100 (g/pt).         Only certified seed should be used.         Stagation of water in beds should be avoided.         In the circus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filing.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fuit, the farther the distance.         COFFEE       Berry development	KHASI	Nursery and	KOLASIB			
LIME       Field properly.         STAR FRUIT       + By seeds; Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-	MANDARIN	gap filling	6			
STAR FRUIT         STAR FRUIT         PLUM AND PEACH         Corrigition Contention of a part of provide and the provide	AND ACID	stage 🛛	S	e e		
STAR FRUIT       nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 10x5 cm distance. Seedlings are planted in secondary bed or polythene bags at 4-16 leaf stages. Water must b provide every alternate days.         PLUM AND PEACH       Potting mixture of soil, sand and FYM or compost should be in proper ratio.         POtting mixture of soil, sand and FYM or compost should be in proper ratio.       Application of split dose of fertilizer 600: 200:100 (g/pt).         Only certified seed should be used.       Stagnation of water in beds should be avoided.         In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set of to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Curmosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor       Leaf minor-Spray confidor 0.05% (0.5 ml/lit of water.         PLANTATION CROP       According to forecast probability of huge rainfall and temperature will be low, so	LIME	5	1 1			
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every alternate days.         Potting mixture of soil, sand and FYM or compost should be in proper ratio.         Application of split dose of fertilizer 600: 200:100 (g/pt).         Only certified seed should be used.         Stagnation of water in beds should be avoided.         In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor         PLANTATION CROP         COFFEE       Berry development		C massing	100000			
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# Application of split dose of fertilizer 600: 200:100 (g/pt).         • Only certified seed should be used.         • Stagnation of water in beds should be avoided.         • In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         • Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         • Lamon butterfly and leaf minor         PLANTATION CROP         COFFEE       Berry development		<u>}</u>	5			
200:100 (g/pt).         Only certified seed should be used.         Stagnation of water in beds should be avoided.         In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus greening, Dieback, Lamon butterfly and leaf minor         PLANTATION CROP         COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so		N	1 55			
Figure 1       4       Only certified seed should be used.         4       Only certified seed should be used.         4       Stagnation of water in beds should be avoided.         4       In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         4       Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         6       Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor         9       Detertify and leaf minor         9       According to forecast probability of huge rainfall and temperature will be low, so		)	S 1 2			
SERCE       4       Stagnation of water in beds should be avoided.         Image: Serce       4       In the citrus belt, trees can be planted at any time; however, pre-monsoon is the best time for transplant or gap filling.         Image: Serce       Image: Serce       4         Image: Serce       Serce       1         Image: Serce       Serce		1.5				
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Filling.         Image: Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Image: Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor         Image: Dieback, Lamon butterfly and leaf minor         Image: PLANTATION CROP         COFFEE         Berry development         According to forecast probability of huge rainfall and temperature will be low, so		20	-	-		
Here       Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor       4 Lamon butterfly- Spray monocrotophos (0.5 ml/lit of water) at each flush emergence.         PLANTATION CROP       COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so				the best time for transplant or gap		
COFFEE       Berry development       Berry development       According to forecast probability of huge rainfall and temperature will be low, so			VIEWINSTERV	filling.		
Be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor         Dieback, Lamon butterfly and leaf minor         PLANTATION CROP         COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so			UNGLEI	Standard-size trees should be spaced 12		
distance depends on the variety. The bigger the fruit, the farther the distance.         Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor         VEXATION CROP         COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so						
Gummosis,       Gummosis,         citrus Canker,       Gitrus greening,         Dieback, Lamon       Butterfly and         butterfly and       leaf minor         Spleter       Berry         development       According to forecast probability of huge			5			
Gummosis,       Lamon butterfly- Spray monocrotophos         @0.04% @1.2 ml/lt of water.       @0.04% @1.2 ml/lt of water.         Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.         Dieback, Lamon butterfly and leaf minor       @0.6 g/lt of water.         PLANTATION CROP         COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so						
citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor       @0.04% @1.2 ml/lt of water.         * Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence. + Citrus Canker- Apply bacterimycin @0.6 g/lt of water.         PLANTATION CROP         COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so		2	Onmercia			
Citrus greening, Dieback, Lamon butterfly and leaf minor       Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.         Citrus Canker- Apply bacterimycin @0.6 g/lt of water.         PLANTATION CROP         COFFEE       Berry development       According to forecast probability of huge rainfall and temperature will be low, so		5				
Dieback, Lamon butterfly and leaf minor       ml/lit of water) at each flush emergence.         COFFEE       Berry development         According to forecast probability of huge rainfall and temperature will be low, so						
butterfly and leaf minor     Citrus Canker- @0.6 g/lt of water.       PLANTATION CROP       COFFEE     Berry development       According to forecast probability of huge rainfall and temperature will be low, so				1 0		
Image: Plantation CROP     Image: Coffee Berry development     According to forecast probability of huge rainfall and temperature will be low, so						
PLANTATION CROP       COFFEE     Berry development     According to forecast probability of huge rainfall and temperature will be low, so				11 5 5		
COFFEEBerry developmentAccording to forecast probability of huge rainfall and temperature will be low, so						
development rainfall and temperature will be low, so				According to forecast probability of huge		
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### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast receired from IMD, Guwahati)



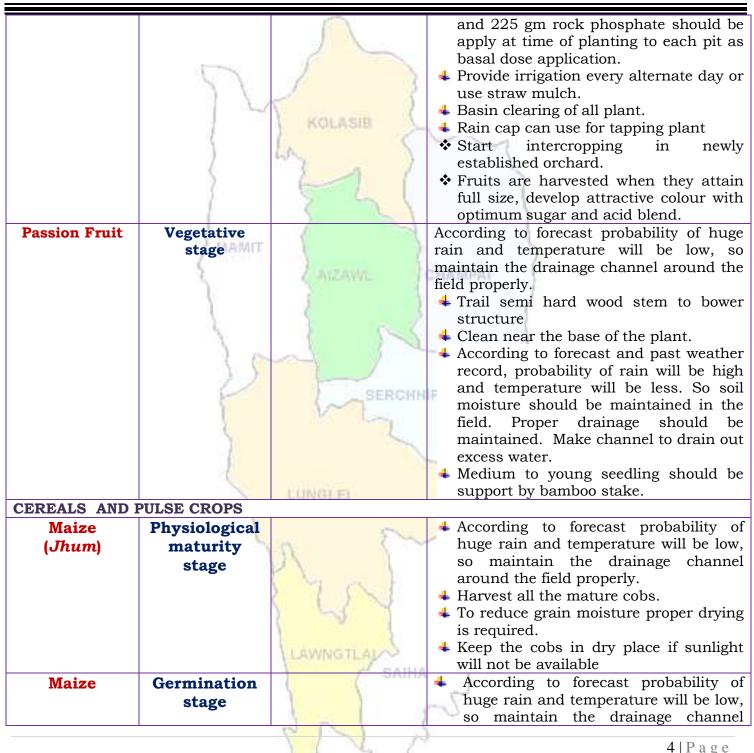
	stage	2	<ul><li>maintain the drainage channel around the field properly.</li><li>Coffee should be grown as a single stem</li></ul>
	5		system. Pruning is required to:
		2 3	<b>4</b> Supply good healthy wood for the next
		KOLASIB	season's crop;
	4	1.	the correct balance between leaf
	)	~~ )	area and crop;
	2		<ul> <li>Prevent overbearing and dieback;</li> <li>Reduce biennial bearing;</li> </ul>
	2	2 5	<ul> <li>Maintain good tree shape.</li> </ul>
		21 54	De suckering-
	AMAMIT		Le-sucker to maintain a single stem system
	2		and avoid competition from suckers
	1	AIZAWIL	Remove 'fly crop' fruit (early fruit which
	8	5	compete with strong plant/root
	1	Star I	development) as they appear.
	1		<b>Weeding</b> Weeding or basin clearing must be
	3.0		done for better growth and
	12	armann.	development.
Rubber	Transplanting	(~) SERCIN	According to forecast probability of huge
	and gap		rainfall and temperature will be low, so
	filling	-	maintain the drainage channel around the field properly.
	1.15		<ul> <li>Start planting newly established place.</li> </ul>
		LUNGLEI	Weeding must be done.
	3	Provide Contraction	4 Apply 10-12 kg of well rotten organic
	1	0	manure and 225 gm rock phosphate
	5	n (~~	should be apply at time of planting to
			each pit as basal dose application. Basin clearing of all established plant.
		1 m Cl	<ul> <li>Rain cap can use for tapping plant</li> </ul>
		1 La Y	Start intercropping in newly
			established orchard.
Oil plam	Vegetative/	LAWNGTLAN	According to forecast probability of huge
	Harvesting	- SAIHA	rain and temperature will be low, so maintain the drainage channel around the
	stage	1 1	field properly.
			4 10-12 kg of well rotten organic manure
		P 1 3	ų
		1 4 6	3   P a g e

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Kharif Rice T	ransplanting	KOLASIB	<ul> <li>around the field properly.</li> <li>Gap filling is required due to poor germination percentage due to high rainfall.</li> <li>Weeding and fertilizer application must be done.</li> <li>Probability of stem borer infestation will be high. Spray any systemic insectionide</li> </ul>
Kharif Rice T		Ly )	
	stage	54	<ul> <li>insecticide.</li> <li>According to forecast and past weather record, probability of rain will be high and temperature will be less. So soil</li> </ul>
	ARMIT	AIZAWL	<ul> <li>moisture should be maintained in the field. Proper drainage should be maintained. Make channel to drain out excess water.</li> <li>Water level shall be maintained for better transplant.</li> </ul>
	Js	SERCHN	<ul> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained</li> </ul>
	2	LUNGLEI	<ul> <li>in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or</li> </ul>
Jhum Rice	Vegetative stage	MAT	<ul> <li>corner of the field for gap filling.</li> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> </ul>
		LAWNGTLAN	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Kharif pulses (Green gram, Black gram and	Germination stage		According to forecast probability of huge rain and temperature will be low, so maintain the drainage channel

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Rajma) VEGETABLE CR	OP	$\sum$	<ul> <li>around the field properly.</li> <li>Gap filling is required due to poor germination percentage due to high rainfall.</li> <li>Weeding must be done to reduce crop weed computation.</li> </ul>
Ginger and	Sowing stage	L. C.	<b>4</b> Rhizome should be treated with Thiram
turmeric	MAMIT	AIZAWA	<ul> <li>Anizonic should be related with finitalit @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Cucurbitaceo us crop	Fruiting stage		<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Provide split doses of urea (70g/pt) at the time of full blooming.</li> <li>Apply irrigation every alternate day or use straw mulch for conserve soil moisture.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation against fruit fly and pumpkin beetle.</li> </ul>
Chilli	Vegetative to flowering stage	LAWNGTLAL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Apply irrigation every alternate day or</li> </ul>
		C N N	<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	KOLASIB Fruit fly	<ul> <li>use straw mulch for conserve soil moisture.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>If possible use straw mulch/ grass mulch in row to prevent moisture loss and better growth of plant.</li> <li>In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit</li> </ul>
Cowpea V	egetative stage	AIZAWAL	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Okra V	egetative stage	SERCHH	<ul> <li>According to forecast probability of less rain and temperature will be high, so maintain soil moisture in the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
	wing stage	LUNGLEI	<ul> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBENDAH Pig A	RY All stages	LAWNGTLAL	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age</li> </ul>
		PN P	7   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



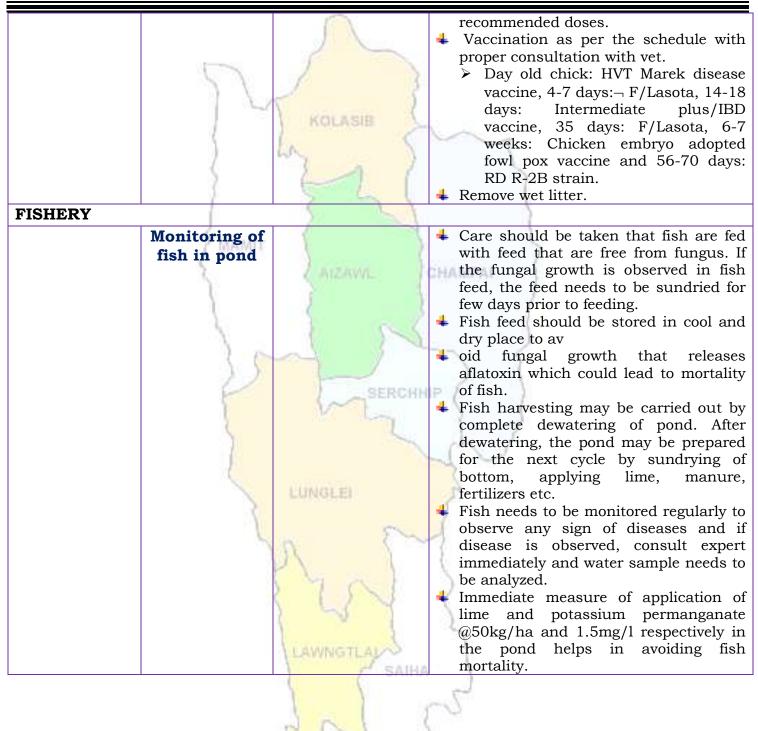
	7	Forcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	LUNGLEI	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LAWNGTLAUSAIHA	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and</li> </ul>



ICAR RESEARCH COMPLEX FOR NEH REGION

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LAWNGTLA SAIHA

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