

R RESEARCH COMPLEX FOR NEH REGION ICA

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





District: Aizawl

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

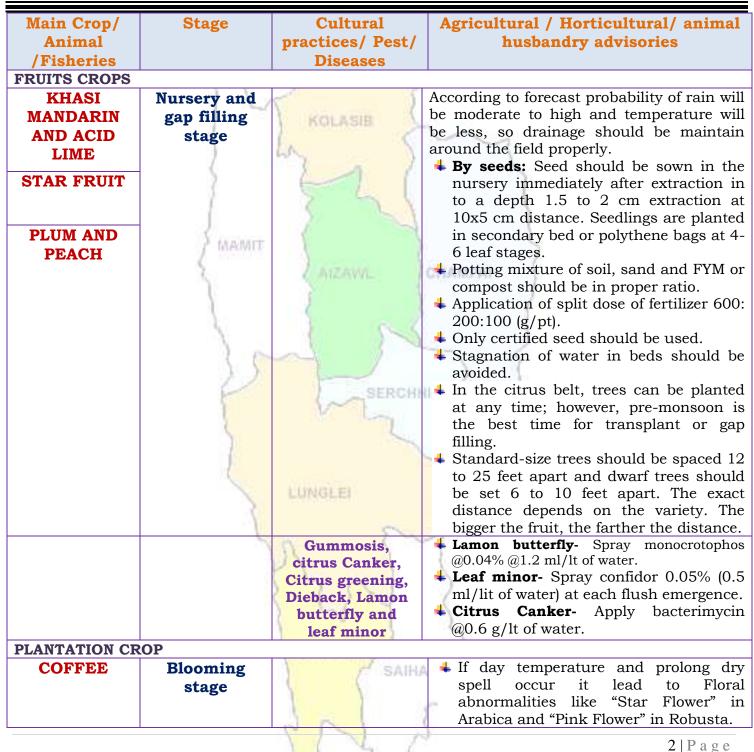
Date of issue: 19th June, 2018

Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	57	42	35	38	20	
· · · · ·	29	29	29	29	20	
Max Temp (°C)	12	12	13	13	13	
Min Temp (°C)			-	-	-	
Cloud Coverage	Mainly cloudy		Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	100	99	95	98	
Min RH (%)	59	51	54	58	57	
Wind Speed (KmpH)	3	3	3	3	3	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
		Easterly- <mark>N-E</mark> , Eas				
		Westerly- <mark>S-W</mark> , We				
Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm	Champhai- (2 Lunglei-3	250.30mm) 44.00mm N	aiha- 109.52 mm (87.2mm Iamit-449.48mm	h Kolasib-) Serchhij	352.38mm (380.9mm) -411.72mm	
(285.5mm)		.86.21mm)	(442.80mm		(259.8mm)	
Weather summary of three day Maximum Tem. (°C):2	s	Weather foreo	June, 2			
Minimum Tem. (°C):1 Maximum RH (%):94- Minimum RH (%):74-3 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 4.02 km Rainfall: 68.3 mm	6-19°C 98% 81% heasterly cloudy /hr	next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 12-13°C. Maximum relative humidity is expected in the range of 95- 100% and minimum may from 51-59%. Wind direction would be southeasterly with the wind speed of 3 km per hour. Manly cloudy sky will prevail during the next five days.				
			cumulative r	ainfall: 192.0	mm	
NDVI for Mizoram		North East Region 20	Mildly dry districts of	condition oc Mizoram.	curs in all	
		P N	2			
		1 L			1 P a g e	



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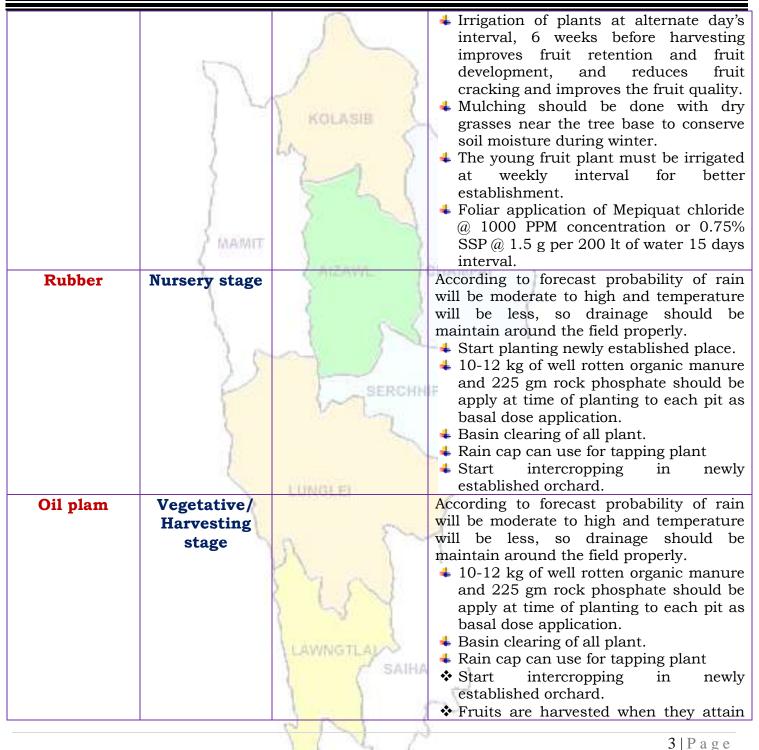






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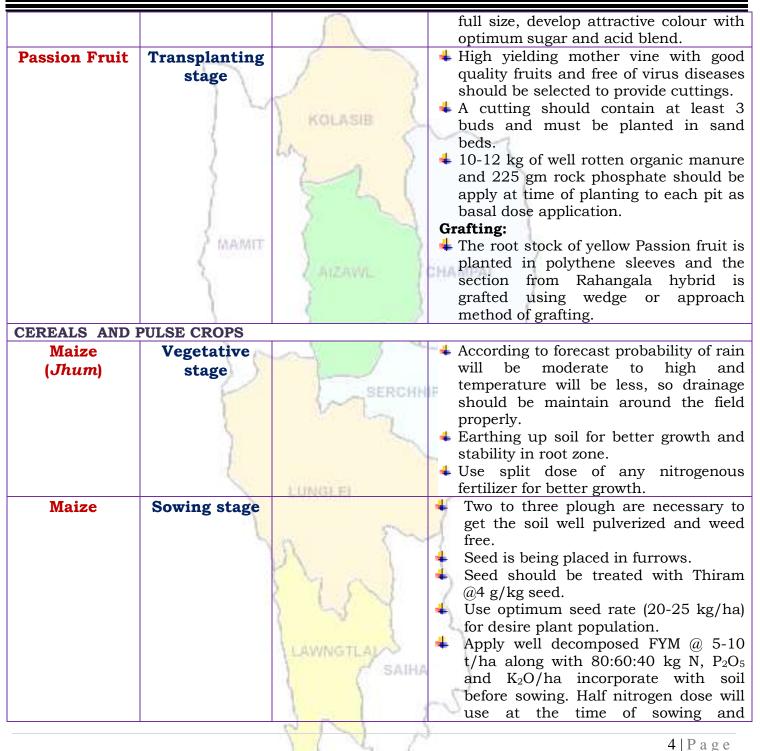






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			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination		4 According to forecast probability of rain
	stage	1	will be moderate to high and
	B	2	temperature will be less, so drainage
	L-d	N I	should be maintain around the field
		KOLASIB	properly.
	1	En S	4 Earthing up soil for better growth and
	1	W7 (2)	stability in root zone.
)		4 Use split dose of any nitrogenous
		5 6	fertilizer for better growth.
Kharif pulses	Sowing stage	5 54	Land preparation or sowing in pits
(Green gram,	Roman		Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	λ 2	MOP @ 20: 60: 40 kg.
Rajma)	S	Laizana I	Use PSB 2g/kg for better germination.
VEGETABLE CR			
Ginger and	Sowing stage	1	+ Rhizome should be treated with Thiram
turmeric	20	3 and	@4 g/kg seed.
	·); · .		4 Use optimum seed rate (50-60 kg/ha)
	20		for desire plant population.
	1)		Apply well decomposed FYM/ pig
	8	SERCHN	manure @ 10-20 t/ha along with
	1	Veta	120:80:60 kg N, P_2O_5 and K_2O/ha
	6		incorporate with soil before sowing. Half nitrogen dose will use at the time
	1		of sowing and remaining 25% after one
			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	I fulling stage	Providence -	rain will be moderate and temperature
us crop	1		will be less, so drainage should be
	5	m 2~~	maintain around the field properly.
		131	Provide split doses of urea (70g/pt) at
		C Var said V	the time of full blooming.
		2 1 5 1	In large gardens apply carbaryl 0.2 per
		1 55 7	cent or malathion 0.15 per cent
			suspension containing sugar or
		LAWNGTLAL	jeggery at 10 g/l at fortnightly
		- SAIHA	intervals at flowering and fruit
		(()	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to	1211	+ According to forecast probability of
		C N N	5 P a g e



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	flowering stage	KOLASIB Fruit fly	 rain will be moderate and temperature will be less, so drainage should be maintain around 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. 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	SERCHN	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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	LAWINGTLAN	 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	DARY		
Pig	All stages	22/1	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young
			6 P a g e



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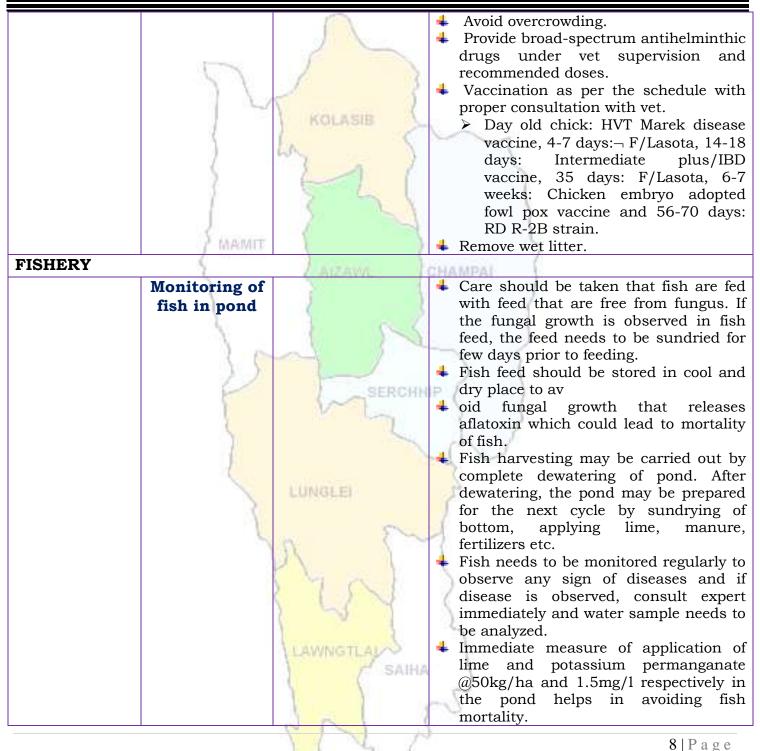


	MAMIT	KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group		 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



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Max RH (%)	99	100	99	95	98			
Min RH (%)	59	51	54	58	57			
Wind Speed (KmpH)	3	3	3	3	3			
*Wind Direction	S-E	S-E	S-E	S-E	S-E			
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 Aizawl- 383.68mm		31, 2018 (<i>Percent</i>) <mark>i- 239.49mm</mark>	of deviation from Saiha- 109.52 m		nthesis) - 352.38mm			
(341.8mm)	Onampia	(250.30mm)	(87.2m)		(380.9mm)			
Lawngtlai-321.51mm	Lunglei		Mamit-449.48m		-411.72mm			
(285.5mm)	Ŭ	(186.21mm)	(442.80m		(259.8mm)			
Weather summary	of the past	20th June – 2	4 th June. 20	18 chhunga	sik leh sa			
three day	s	20 th June – 24 th June, 2018 chhunga sik leh sa dinhmun tur tlangpui						
Maximum Tem. (°C):2	06-280C	Tun ni 5 chhur			i the mighte			
Minimum Tem. (°C):1			0					
Maximum RH (%):94-		tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A						
Minimum RH (%):74-	010/	vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai						
Wind Direction: Sout	h a a st a st les	berin 95-100% leh a hniam lai berin 51-59% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi						
Cloud cover: Mainly of	loudy							
Wind speed: 4.02 km	/hr	zawngin a tleh :		01	nga chhung			
	,	hian khawthiang	g tak hmuh bei	sei a ni.				
Rainfall: 68.3 mm								
		Weekly	j cumulative r	ainfall: 192.0	mm			
NDVI for Mizoram		North East Region 24 Ju	Mildly dry	condition of	curs in all			
		~~~~ ==:	districts of					
		STR .						
		CAR I						
		CAST I	ten					
		A =	New Color					
		Agrituiture signer is moderate over some of the per region.	ta Narth					
		601	3					
		1 L	1		1   Page			

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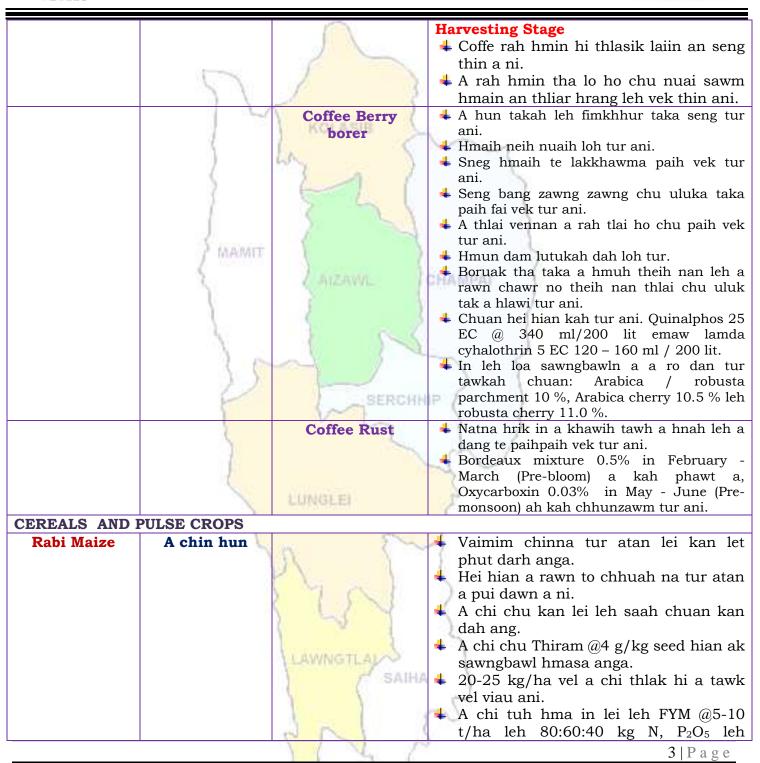


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	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		<b>4</b> 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	
			<b>4</b> 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	<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	AIZAWAL	<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>
		10 10 11	



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Onion and	Numerous	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>
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



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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	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	<b>6</b>   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	+	<b>Coccidiosis</b> - 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)		<b>—</b>	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
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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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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

### Bulletin No: - 800/2018/ Bulletin/Mizo

**Period:** 20 June – 24 June, 2018

### Date of issue: 19th June, 2018

		1. A C C C C C C C C C C C C C C C C C C				
Parameters	20.06.2018		22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	41	33	28	20	19	
Max Temp (°C)	22	23	23	23	23	
Min Temp (°C)	12	12	13	13	14	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	100	100	98	92	99	
Min RH (%)	63	51	54	57	64	
Wind Speed (KmpH)	3	3	3	3	3	
*Wind Direction	S-E	S	S-E	S-E	S	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	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 Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha	31, 2018 (Percent of i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib m) m Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary of three day	s	20 th June – 24 th June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):92- Minimum RH (%):71-3 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 3.62 km	5-18°C 97% 81% heasterly cloudy	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 22-23°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 92-100% leh a hniam lai berin 51-64% ni tur a rin niin. Thli hi darkar khatah 3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 48.5 mm		Weekly cumulative rainfall: 141.0mm				
NDVI for Mizoram		North East Region	districts of	condition oo Mizoram.	curs in all	
		1 L	10		1   Page	



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

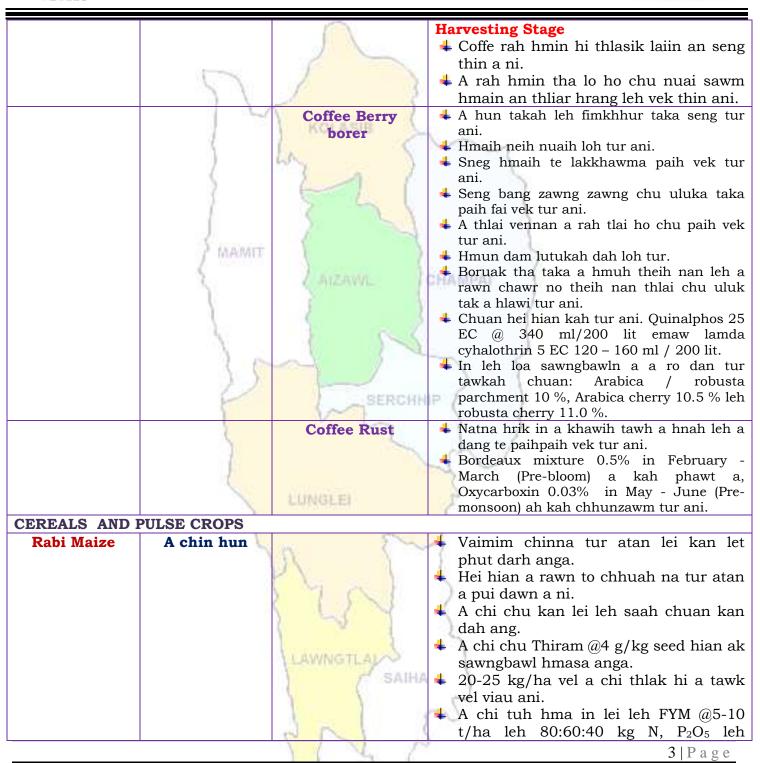


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 NOLMOID >	velah 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	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	30	ATZAWIL I	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
РЕАСП			Transmenterer huiser hetel. 1-h. husererer er er
		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
	500	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	<ul> <li>Huan zau takah chuan a par tan tirh leh a</li> </ul>
		FILIT IN ROAM	rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	S		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR		LUNGE EI	
COFFEE	All stages	(The second s	Nursery stage
	1	0.00	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		( San )	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		55 1	Chuan a chi chu lei tlem te a chhilh a 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	ani.
			$\stackrel{\text{and}}{=}$ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
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#### **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</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow		"FL	<ul> <li>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	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>
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### ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	5	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>
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		<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	N P	<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> </ul>
		LAWNGTLAK	<ul> <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>



**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>
	MAMIT	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.
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ICAR RESEARCH COMPLEX FOR NEH REGION



	Deservative		<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 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>D complex with antibodics</li> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MADVIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	ANZAWAL	CHAMPAI }
	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 dahthar 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 thir 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 em tih enfiah fo a tha a, natna hmuh anih 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 hiar sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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8 | Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District:** Champhai

Bulletin No: - 800/2018/ Bulletin/English

**Period:** 20 June – 24 June, 2018

### Date of issue: 19th June, 2018

Parameters         20.06.2018         21.06.2018         22.06.2018         23.06.2018         24.06.2018           Rainfall (mm)         41         33         28         20         19           Max Temp (°C)         22         23         23         23         23           Min Temp (°C)         12         12         13         13         14           Cloud Coverage         Mainly cloudy			$\sim F$	4.5				
Max Temp (%)2223232323Min Temp (%)1212131314Cloud CoverageMainly cloudyMainly cloudyMainly cloudyMainly cloudyMax RH (%)100100989299Min RH (%)6351545764Wind Speed (KmpH)33333Wind Speed (KmpH)33333Maximum Change (Stattange (Stattan								
Min Temp (°C)1212131314Cloud CoverageMainly cloudyMainly						-		
Cloud Coverage Mainly cloudyMainly cl	<b>• • •</b>	1 · · · ·						
Max RH (%)100100989299Min RH (%)6351545764Wind Speed (KmpH)33333*Wind DirectionS-ESS-ESNortherly- N, North-Easterly- S-W, Westerly- W, North-westerly- N-W. Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis) (341.8mm)Saiha- 109.52 mm (250.30mm)Kolasib- 352.38mm (380.9mm) (250.30mm)Lawrethal-321.51mmLunglei-344.00mmManit-449.48mm (250.30mm)Serchip-411.72mm (259.8mm)Weather summary of the past three daysWeather forecast valid from 20thJune, 2018 To 24th June, 2018.Maximum Tem. (°C):15-18°C Maximum RH (%):92-97% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 3.62 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 22-23°C and 12-14°C. Maximum relative humidity is expected in the range of 92Wind Speed: 3.62 km/hrThere are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days. The scutter of southeasterly and southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.Weekly cumulative rainfall: 141.0 mmNDVI for Mizoram	Min Temp (°C)	12	12	-	-	14		
Min RH (%)6351545764Wind Speed (KmpH)333333*Wind DirectionS-ESSS-ESNortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- S-E, Southerly- S3, South-Westerly- S-W, Westerly- W, North-westerly- N-W.Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawi-383.68mmChamphai-239.49mmSaiha-109.52 mmKolasib-352.38mm(341.8mm)(250.30mm)(87.2mm)(380.9mm)(285.5mm)(186.21mm)(442.80mm)Serchhip-411.72mm(285.5mm)(186.21mm)(442.80mm)(259.8mm)Weather summary of the past three daysWeather forecast valid from 20th-June, 2018 To 24th June, 2018.Maximum Tem. (°C):15-18°C Minimum RH (%):71-81%There 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 would be southeasterly to southerly to Southeasterly and southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.Weekly cumulative rainfall: 141.0 mmWeekly cumulative rainfall: 141.0 mmNDVI for MizoramImplementation on the speed of Mizoram.	Cloud Coverage	Mainly cloudy	/ Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Wind Speed (KmpH)       3       3       3       3       3       3         *Wind Direction       S-E       S       S-E       S-E       S         Northerly- N, North-Easterly- N-E, Easterly- S-E, South-Westerly- S, South-Westerly- W, Westerly- N. W.       Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)         Aizawi-383.68mm       Champhai-239.49mm       Saiha-109.52 mm       Kolasib-352.38mm         (341.8mm)       (250.30mm)       (87.2mm)       (380.9mm)         (285.5mm)       (250.30mm)       (442.80mm)       (259.8mm)         Weather summary of the past three days       June, 2018       To 24 th Maximum Tem. (%):71-81%       Weather forecast valid from 20 th June, 2018 To 24 th June, 2018.         Maximum RH (%):71-81%       There 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 22-23°C and 12-14°C.         Mainimus RH (%):71-81%       Maximum relative humidity is expected in the range of 92-14°C.         Wind Speed: 3.62 km/hr       Maximum trelative humidity is expected in the range of 92-23°C and 12-14°C.         NDVI for Mizoram       Ketkly cumulative rainfall: 141.0 mm         NDVI for Mizoram       Weather forecast valid from 32°C and 32°C an	Max RH (%)	100	100	98	92	99		
*Wind Direction       S-E       S       S-E       S-E       S-E       S         Northerly- N, North-Easterly- NE, Easterly- E, South-Easterly- S, South-Westerly- S, South-Westerly- S, W, Westerly- W, North-westerly- N-W.       Status of Pre Monsoon- May 1-31, 2018 ( <i>Percent of deviation from normal in parenthesis</i> )         Aizawi- 383.68mm       Champhai- 239.49mm       Saiha- 109.52 mm       Kolasib- 352.38mm         (341.8mm)       (250.30mm)       (87.2mm)       (380.9mm)         Lawngtlai-321.51mm       Lunglei-344.00mm       Mamit-449.48mm       Serchip-411.72mm         (285.5mm)       (186.21mm)       (442.80mm)       (259.8mm)         Weather summary of the past three days       Weather forecast valid from 20 th June, 2018 To 24 th June, 2018         Maximum Tem. (°C):15-18°C       There 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 22-23°C and 12-14°C.         Maximum RH (%):92-97%       Minimum RH (%):71-81%       Maximum relative humidity is expected in the range of 92-100% and minimum may from 51-64%. Wind direction would be southeasterly to southeasterly and southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.         Weekly cumulative rainfall: 141.0 mm       Weekly cumulative rainfall: 141.0 mm         NDVI for Mizoram       Maximum relative may are and minimum set of Mizoram.	Min RH (%)	63	51	54	57	64		
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- May 1-31, 2018 (Percent of deviation from normal in parenthesis) Aizawl: 383.68nm Champhai: 239.49mm Saiha-109.52 mm Kolasib. 352.38mm (341.8mm) (250.30mm) Serchip-411.72mm 	Wind Speed (KmpH)	-	3	3				
South-IV-S. South-Westerly- S. W. Westerly-W, North-westerly- N-W.Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawl-383.68mmChamphai-239.49mmSaiha-109.52 mmKolasib-352.38mm(341.8mm)(250.30mm)(37.2mm)(380.9mm)Lawngtlai-321.51mmLunglei-344.00mmMamit-449.48mmSerchhip-411.72mm(285.5mm)(186.21mm)(242.80mm)(259.8mm)Weather summary of the past three daysWeather forecast valid from 20th June, 2018 To 24thMaximum Tem. (°C):15-18°CThere 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 may range for 22-23°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 100% and minimum may from 51-64%. Wind direction would be southeasterly to southeasterly and southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.NDVI for MizoramMether large Image and the south and the south of the south and th	*Wind Direction	S-E	S	S-E	S-E	S		
Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawi-383.68mm (341.8mm)Champhai-239,49mm (250.30mm)Saiha-109.52 mm (87.2mm)Kolasib-352.38mm (380.9mm)Lawngtlai-321.51mm (285.5mm)Lunglei-344.00mm (186.21mm)Mamit-449.48mm (442.80mm)Serchhip-411.72mm (259.8mm)Weather summary of the past three daysWeather forecast valid from 20th June, 2018 To 24th June, 2018.Maximum Tem. (°C):24-28°C Minimum Tem. (°C):15-18°C Maximum RH (%):92-97% Minimum RH (%):71-81%There 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 22-23°C and 12-14°C. Maximum relative humidity is expected in the range of 92- 100% and minimum may from 51-64%. Wind direction would be southeasterly to southerly to Southeasterly and southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.Weekly cumulative rainfall: 141.0 mmNDVI for MizoramMean taken wind speed is used to be use	Northe	rly- N, North	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
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Wind speed: 3.62 km/hr       would be southeasterly to southerly to southeasterly and southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.         NDVI for Mizoram       Weekly cumulative rainfall: 141.0 mm         Mildly dry condition occurs in all districts of Mizoram.		✓	100% and mini	mum may fro	om 51-64%. W	ind direction		
Rainfall: 48.5 mm       southerly with the wind speed of 3 km per hour. Mainly cloudy sky will prevail during the next five days.         NDVI for Mizoram       Weekly cumulative rainfall: 141.0 mm         NDVI for Mizoram       Mildly dry condition occurs in all districts of Mizoram.	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	would be southe	easterly to sou	therly to South	neasterly and		
Rainfall: 48.5 mm       cloudy sky will prevail during the next five days.         Weekly cumulative rainfall: 141.0 mm         NDVI for Mizoram         Mildly dry condition occurs in all districts of Mizoram.	wind speed: 3.62 km	/nr						
Weekly cumulative rainfall: 141.0 mm       NDVI for Mizoram	Deinfellt 49 E mm		2			<b>.</b>		
NDVI for Mizoram	Kaiman. 40.5 mm		cloudy only will proval during the none need days.					
NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram.			Weekly	, cumulative r	ainfall: 141.0	mm		
districts of Mizoram.	NDVI for Mizoram		North East Region 21	Mildly dry	condition oc	curs in all		
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			man al	51				
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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)



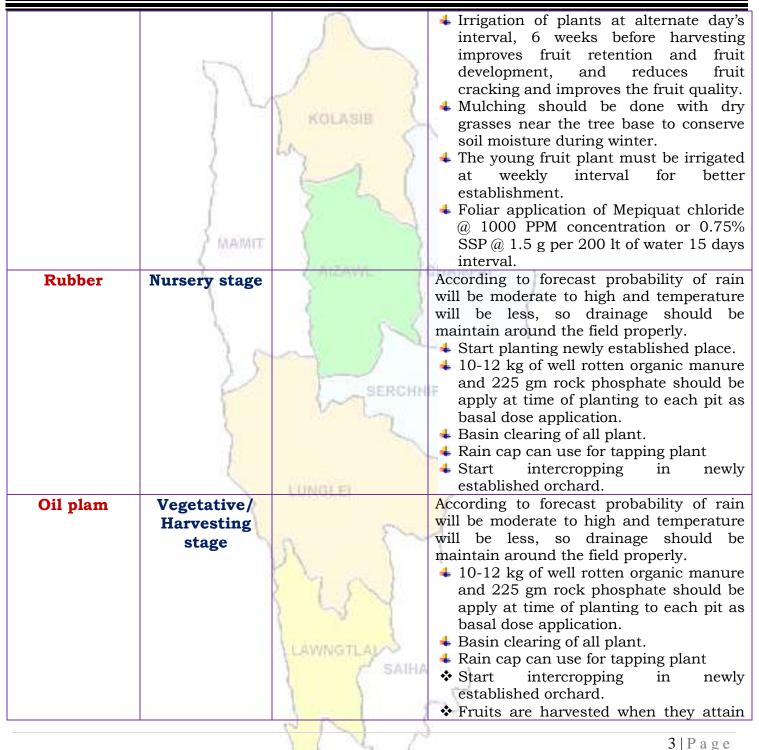
Mate O I	04.	01/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	1	be less, so drainage should be maintain
LIME	J	LA.	around the field properly.
	(	1 1	<b>By seeds:</b> Seed should be sown in the
STAR FRUIT	1	the second second	nursery immediately after extraction in
	1	2 2 1	to a depth 1.5 to 2 cm extraction at
			10x5 cm distance. Seedlings are planted
PLUM AND	AMAMIT		in secondary bed or polythene bags at 4-
PEACH	1	And the second s	6 leaf stages.
	3	A ATZAWAL	+ Potting mixture of soil, sand and FYM or
			compost should be in proper ratio.
		(	Application of split dose of fertilizer 600:
		S CL	200:100 (g/pt).
	1		+ Only certified seed should be used.
	60		Stagnation of water in beds should be suggided
	12		avoided.
	1	SERCH	4 In the citrus belt, trees can be planted
	1	N Lan	at any time; however, pre-monsoon is the best time for transplant or gap
	5		filling.
	a la construction de la construc		Standard-size trees should be spaced 12
	1		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	2		distance depends on the variety. The
	1		bigger the fruit, the farther the distance.
	×.	Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos
		citrus Canker,	a0.04% $a1.2$ ml/lt of water.
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	<b>Citrus Canker</b> - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	ОР		
COFFEE	Blooming	- SAIH/	<b>4</b> If day temperature and prolong dry
	stage	( ( Shirt	spell occur it lead to Floral
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
I		0 1 1	
			2 P a g e

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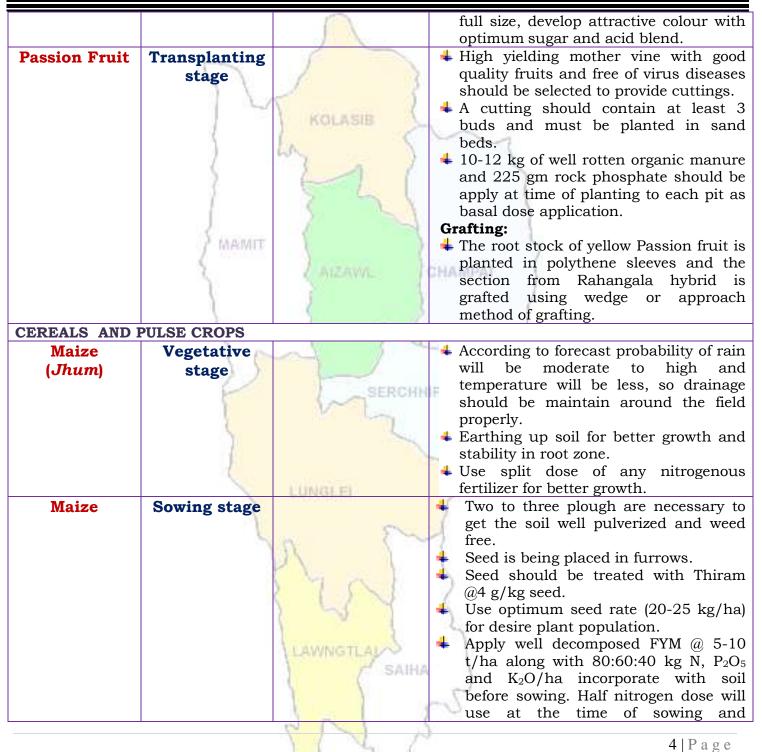






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			remaining 25% after one month and
		and the second	25% at flowering stage.
Jhum Rice	Germination		4 According to forecast probability of rain
	stage	1	will be moderate to high and
		2 3	temperature will be less, so drainage
	had been	N	should be maintain around the field
		KOLASIB	properly.
	1	E. S	4 Earthing up soil for better growth and
	1	W7 2 7	stability in root zone.
	5		4 Use split dose of any nitrogenous
	1	SE	fertilizer for better growth.
Kharif pulses	Sowing stage	5 54	Land preparation or sowing in pits
(Green gram,	2		4 Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	X 2	MOP @ 20: 60: 40 kg.
Rajma)	S	Laizour	Use PSB 2g/kg for better germination .
VEGETABLE CR	OP		
Ginger and	Sowing stage	1	4 Rhizome should be treated with Thiram
turmeric	200		@4 g/kg seed.
	1		Use optimum seed rate (50-60 kg/ha)
	2 6		for desire plant population.
	1)		Apply well decomposed FYM/ pig
		SERCHN	manure @ 10-20 t/ha along with
	1	V	120:80:60 kg N, P_2O_5 and K_2O/ha
	1		incorporate with soil before sowing.
			Half nitrogen dose will use at the time
	1.05		of sowing and remaining 25% after one
a 14			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	1		rain will be moderate and temperature
	L.	5	will be less, so drainage should be maintain around the field properly.
		10	 Provide split doses of urea (70g/pt) at
			the time of full blooming
		7 61	In large gardens apply carbaryl 0.2 per
		1 LOY	cent or malathion 0.15 per cent
			suspension containing sugar or
		Contractor and Contractor	jeggery at 10 g/l at fortnightly
		LAWNGTLAN	intervals at flowering and fruit
		SAIHA	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to		+ According to forecast probability of
	8	0 0 0	
		1146	5 P a g e



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	flowering stage	KOLASIB Fruit-fly	 rain will be moderate and temperature will be less, so drainage should be maintain around 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. 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/1 at fortnightly intervals at flowering and fruit initiation
Cowpea	Vegetative stage	SERCHH	 initiation. According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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 rain will be moderate and temperature will be less, so drainage should be maintain around 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	LAWNGTLAN	 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	IDARY		
Pig	All stages	2010	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young
		VIV /	6 P a g e



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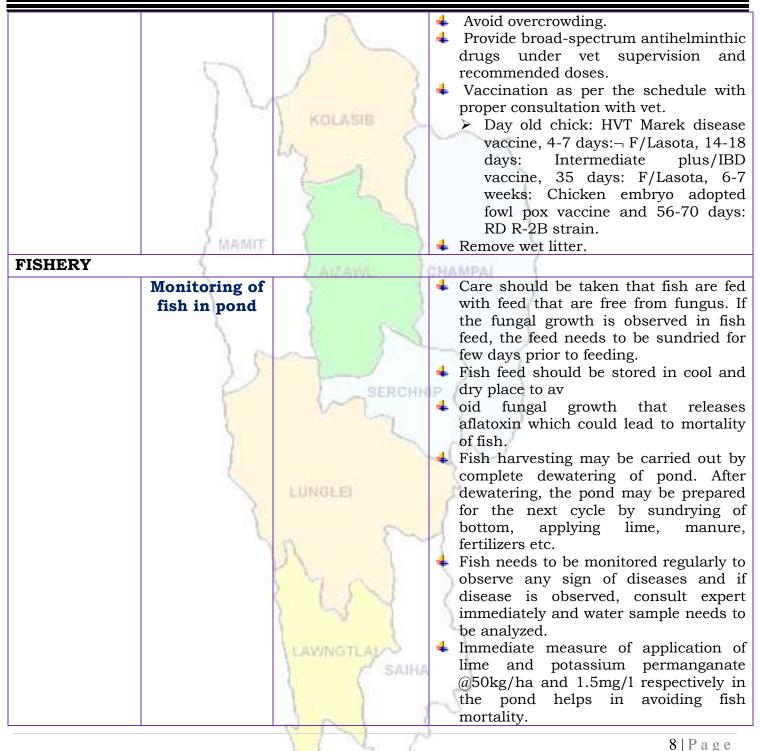


	MAMIT	Forcine Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group		 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



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LAWNGTLA SAIHA

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

Guwahati)



District: Kolasib

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

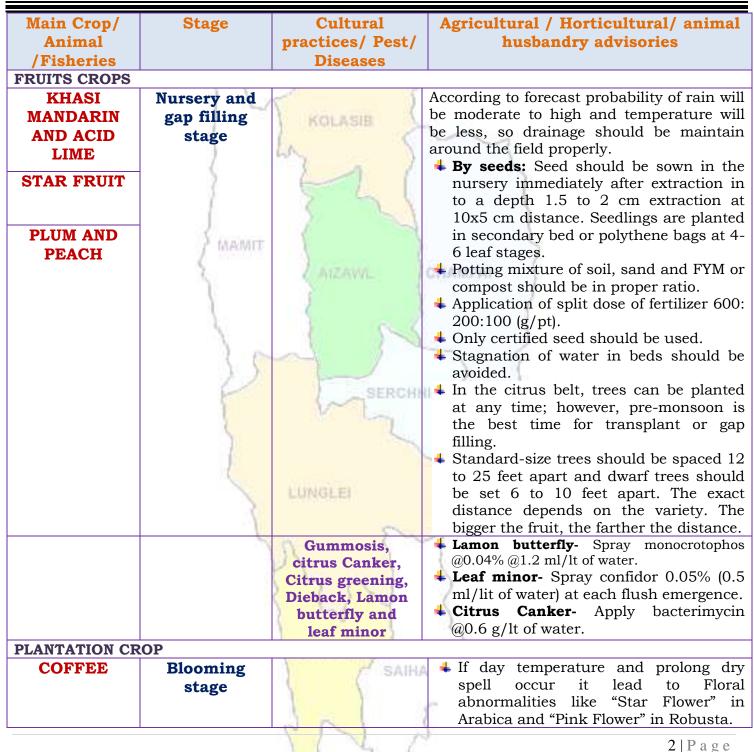
Date of issue: 19th June, 2018

Parameters 20.06.2018 21.06.2018 22.06.2018 23.06.2018 24.06.2018 Rainfall (mm) 41 37 42 40 15 Max Temp (°C) 30 30 31 31 31 Min Temp (°C) 15 17 17 18 18 Cloud Coverage Mainly cloudy		67	6	2						
Max Temp (°C)3030313131Min Temp (°C)1517171818Cloud CoverageMainly cloudyMainly cloudyMainly cloudyPartially clearMainly cloudyMax RH (%)1001001009799Min RH (%)5649524949Wind Speed (KmpH)22222Wind DirectionS-ES-ES-ES-EENortherly- N, North-Easterly- NE, Easterly- E, South-Easterly- S. South-Westerly- S. South-Westerly- S. W, Westerly- W, North-westerly- N.W.Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawl 383.68mmChamphai 239.49mmSaiha 109.52 mmKolasib- 352.38mmLawgtlai-321.51mmLunglei-344.00mmMamit-449.48mmSerchhip-411.72mm(285.5mm)(286.21mm)(283.21mm)(283.9mm)Lawgtlai-321.51mmLunglei-344.00mmMamit-449.48mmSerchhip-411.72mm(285.5mm)(286.21mm)(242.80mm)(259.8mm)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 next 5 days. The maximum and minimum temperatures for would be southeasterly to easterly with the wind speed of 2Cloud cover:Mainly cloudy Wind Speed: 4.25 km/hrWeakler cumulative rainfall: 175.0 mmNDVI for MizoramWeakler sume are dataMildly dry condition occurs in all districts of Mizoram.	Parameters	20.06.2018	3 21.06.2018	22.06.2018	23.06.2018	24.06.2018				
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Cloud Coverage Mainly cloudyMainly cloudyMainly cloudyPartially clearMainly cloudyMax RH (%)1001001009799Min RH (%)5649524949Wind Speed (KmpH)22222*Wind DirectionS-ES-ES-ES-EENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, South-Westerly- S, South-Westerly- S, South-Westerly- N, Westerly- W, North-easterly- N-W.Status of Pre Monsoon- May 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawi- 383.66mm (341.8mm)Champhai - 239.49mm (250.30mm)Saiha- 109.52 mm (87.2mm)Kolasib- 352.38mm (380.9mm)Lawreltai-321.51mm (285.5mm)Lunglei-344.00mm (186.21mm)Manit-449.48mm (259.8mm)Serchhip-411.72mm (259.8mm)Weather summary of the past three daysWeather forecast valid from 20th June, 2018 To 24th June, 2018.There 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 may from 49-56%. Wind direction would be southeasterly to easterly with the wind speed of 2 Maximum relative humidity is expected in the range of 97- 100% and minimum may from 49-56%. Wind direction would be southeasterly to easterly with the wind speed of 2 Maximum relative humidity cloudy sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 175.0 mmNDVI for MizoramWeekly cumulative rainfall: 175.0 mm Midly dry condition occurs in all districts of Mizoram. </th <th>Max Temp (°C)</th> <th>30</th> <th>30</th> <th>31</th> <th>31</th> <th>31</th>	Max Temp (°C)	30	30	31	31	31				
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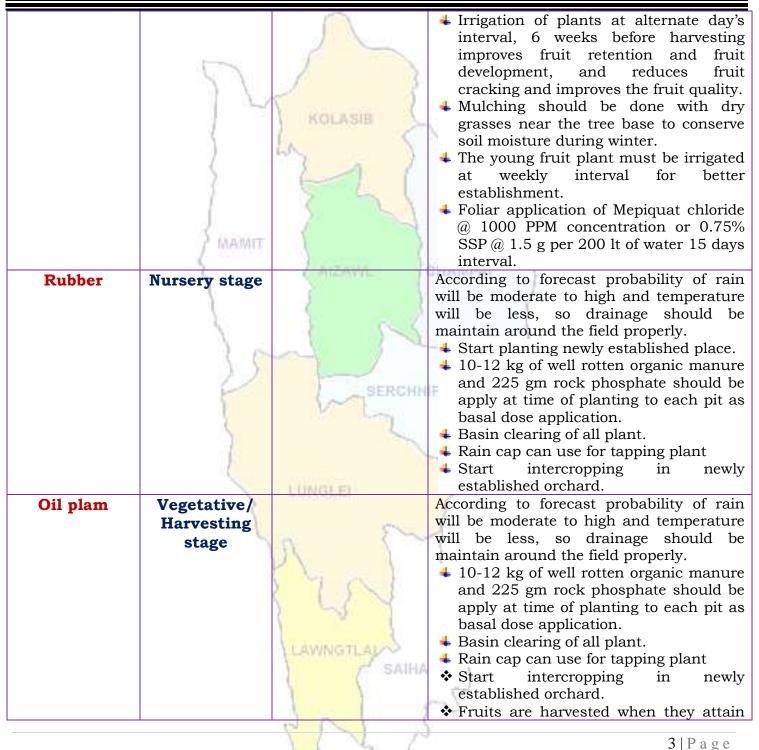






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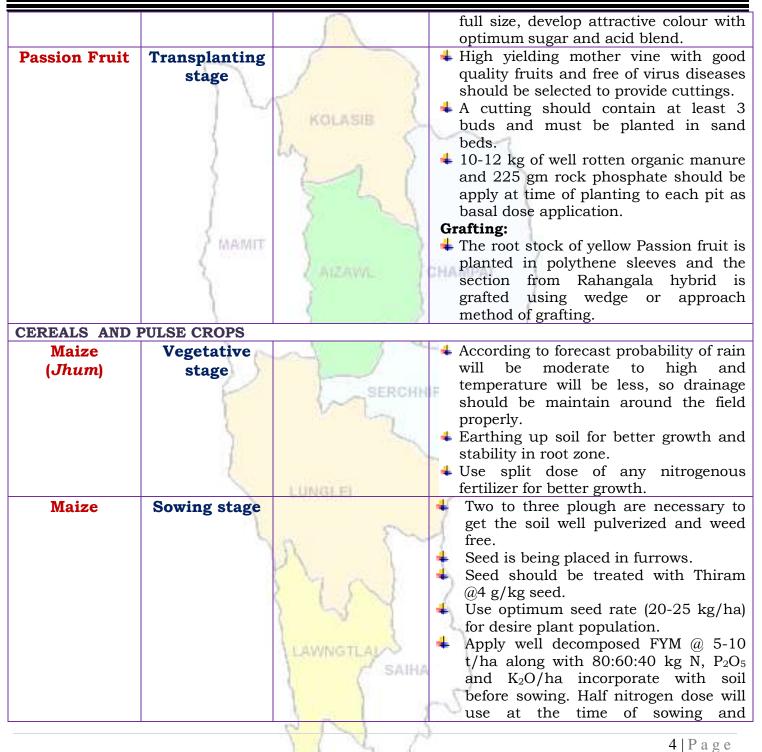






ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination	S and a	4 According to forecast probability of rain
	stage	1	will be moderate to high and
		- 5	temperature will be less, so drainage
		KOLASIE	should be maintain around the field
	1	I INVERSION	properly.
)	Le S	4 Earthing up soil for better growth and
	(3 0 1	stability in root zone.
	2		4 Use split dose of any nitrogenous
771 0 1	a	2 5	fertilizer for better growth.
Kharif pulses	Sowing stage		Land preparation or sowing in pits
(Green gram,	MAMIT		↓ Inorganic fertilizer like Urea, SSP and
Black gram and Rajma)	1	S	MOP @ 20: 60: 40 kg. Use PSB 2g/kg for better germination.
VEGETABLE CR		1 517 5145	+ Use FSB 2g/kg for better germination.
Ginger and	Sowing stage		4 Rhizome should be treated with Thiram
turmeric	bowing stage	5	@4 g/kg seed.
cumene	S	1 1	Use optimum seed rate (50-60 kg/ha)
	3	A S N	for desire plant population.
	10.5		+ Apply well decomposed FYM/ pig
	0	SERCHN	$(\alpha - 10, 00, t/h_{\alpha}, a)$
		(~)	120:80:60 kg N, P_2O_5 and K_2O/ha
	8		incorporate with soil before sowing.
	3	1	Half nitrogen dose will use at the time
	115		of sowing and remaining 25% after one
			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	3		rain will be moderate and temperature
	6	5	will be less, so drainage should be
		A Vie	maintain around the field properly.
			Provide split doses of urea (70g/pt) at the time of full blooming
		1 7 6 1	the time of full blooming In large gardens apply carbaryl 0.2 per
		LAY	cent or malathion 0.15 per cent
			suspension containing sugar or
		Contractor and Contractor	jeggery at 10 g/l at fortnightly
		LAWNGTLAN	intervals at flowering and fruit
		SAIHA	initiation against fruit fly and
		1 1	pumpkin beetle.
Chilli	Vegetative to		4 According to forecast probability of
		6 N A	
		1 4 6	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	flowering stage	KOLASIB Fruit-fly	 rain will be moderate and temperature will be less, so drainage should be maintain around 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. 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/1 at
Cowpea	Vegetative stage	AIZAWL	 fortnightly intervals at flowering and fruit initiation. According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain
	25	SERCHN	
Okra	Vegetative stage	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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	LAWNGTLAN	 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	22/3	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young
		VIL C	6 P a g e



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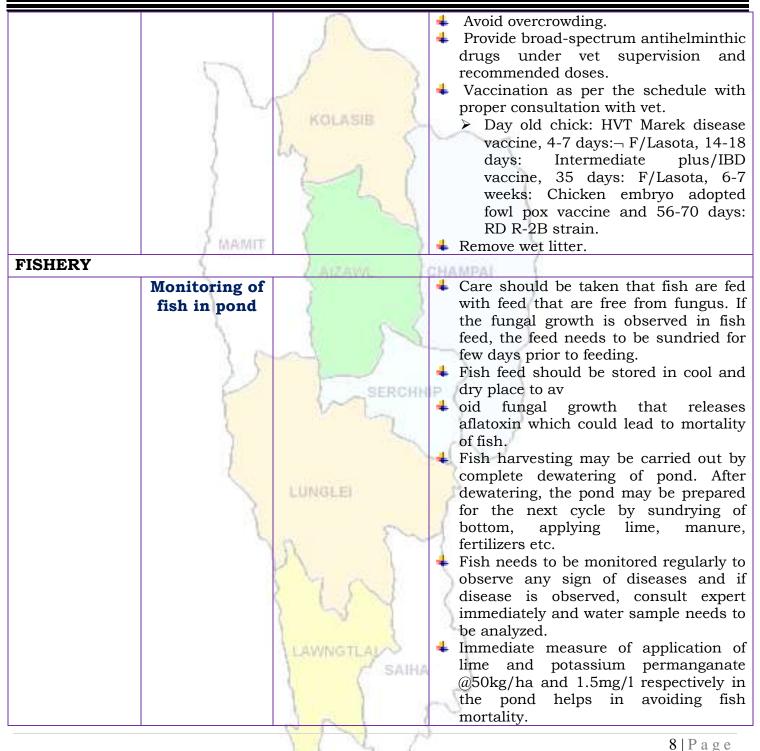


		Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group		 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
		NIL /	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

9 | 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: Kolasib

Bulletin	No: -	800,	/2018/	Bulletin	/ Mizo
					10

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

			4.1			
Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	41	37	42	40	15	
Max Temp (°C)	30	30	31	31	31	
Min Temp (°C)	15	17	17	18	18	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy	
Max RH (%)	100	100	100	97	99	
Min RH (%)	56	49	52	49	49	
Wind Speed (KmpH)	2	2	2	2	2	
*Wind Direction	S-E	S-E	S-E	S-E	E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Me Aizawl- 383.68mm		31, 2018 (Percent i- 239.49mm	of deviation fron Saiha- 109.52 m		nthesis) · 352.38mm	
(341.8mm)	Champha	(250.30mm)	(87.2m		(380.9mm)	
Lawngtlai-321.51mm	Lunglei	-344.00mm	Mamit-449.48m		0-411.72mm	
(285.5mm)		(186.21mm)	(442.80m		(259.8mm)	
Weather summary	of the past	20^{th} .June – 2	4 th June, 20	18 chhunga	sik leh sa	
three day	· · · · · · · · · · · · · · · · · · ·	20 th June – 24 th June, 2018 chhunga sik leh sa				
_		dinhmun tur tlangpui				
Maximum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
Minimum Tem. (°C):2		tura beisei a ni. Khua a lum lai berin 30-31ºC a ni ang a. A				
Maximum RH (%):88- Minimum RH (%):74-	0.40/	vawh lai ber in 15-18°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 49-56% ni tur a rin				
Wind Direction: Sout						
Cloud cover: Mainly of	loudy	niin. Thli hi darl				
Wind speed: 4.25 km		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
wind speed. 4.20 km	/ ***	hian khawthiang tak hmuh beisei a ni.				
Rainfall: 74.6 mm						
		Weekl	y cumulative r	ainfall: 175.0	mm	
NDVI for Mizoram		North East Region 24 is	Mildly dry	condition of	curs in all	
		~ =	districts of			
		5032		1011201 ann.		
		CAR I				
			}			
		-A	and the second s			
		Agrituiture rignur is moderate over some of the per region.	ts North			
		N N	1			
			1		1 P a g e	

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



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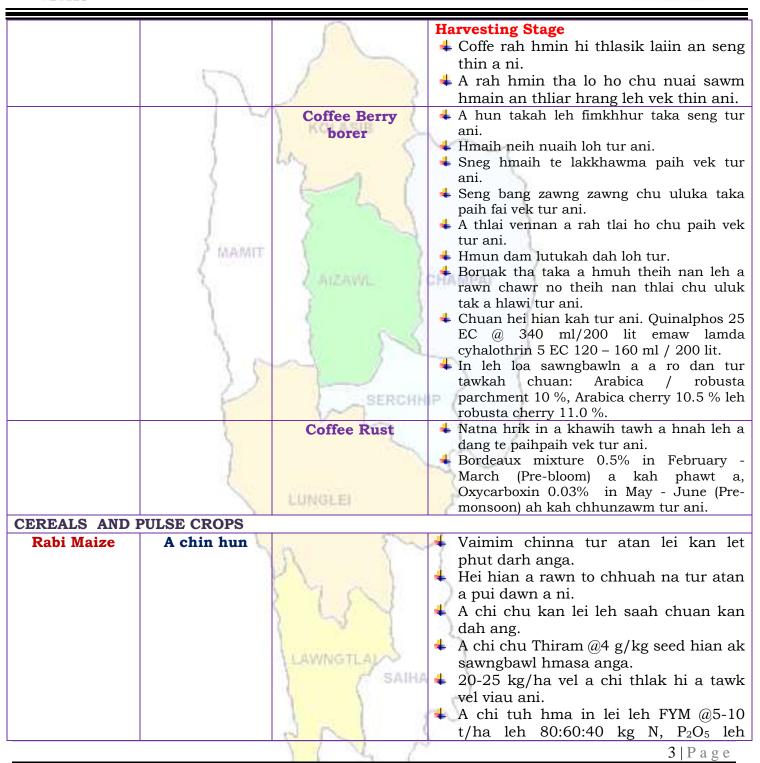


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS	•					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		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	ATZAWIL /	leh a rah than that nan te leh a rah			
			keh tur lakah t a veng thei ani.			
PEACH						
		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.			
	bag an an sawn chnuak ich thin an.					
		VIV A	2 P a g e			
			2 1 d 5 C			



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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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Onion and capsicumNursery stagePoly houseawm thin a , hei hi natna tlanglawn ber ani.Onion and capsicumNursery stagePoly house4 A than a that theih nan nikhat danah tur ani.Thai bul yawn hnawn nana thiai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.4 A than a that theih nan nikhat danah tui jek thin tur ani.Phytopthora blight4 A than a that theih nan thiram 3g/kg sed eram winde 4g+ metalaxyl 4g (Apron)/ kg sed hi a tha hie ani.French bean radishSowing stage4 A than a that theih nan tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui jiter 1 zelah pawlh a kah hi tur ani.Carrot and radishSowing stage4 A than a that theih nan tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan tui pek hnan tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin tur ani.Tui pek a nihnah hring hi hi natna tang a tur ani.4 A than a that theih nan nikhat danah tui pek hin tur ani.Tui pek a nihnah thi a thi atha tur ani.4 A than a that theih nan tui pek hin tur ani.Tui pek nuah thiai bul yawn hnawn na tur sian tur ani.4 A than a that theih lai bul yawn hnawn				
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Chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1			Contraction and Contraction	
Mancozeb @ 2gm ah tui leter 1				
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pawina han tai ani,				pawina kan tur ani.
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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 L)	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1		B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium
	FMAMIT		coccidiostat
	7. marma	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.
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8 | Page



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Guwahati)



District: Lawngtlai

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

Parameters	20.06.2018		22.06.2018	23.06.2018	24.06.2018		
Rainfall (mm)	47	30	25	18	12		
Max Temp (°C)	29	29	29	29	28		
Min Temp (°C)	12	12	13	13	13		
Cloud Coverage	Mainly cloudy	y Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	98	98	99	95	97		
Min RH (%)	63	57	57	52	61		
Wind Speed (KmpH)	4	2	3	4	4		
*Wind Direction	E	E	E	E	S-E		
Northe	rly- N, North	-Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,			
		Westerly- <mark>S-W</mark> , We					
		-31, 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)	(442.80mn		(259.8mm)		
Weather summary	of the past	Weather fore	cast valid from	a 20 th June, 20	18 To 24 th		
three day	S	June, 2018.					
Maximum Tem. (°C):2	27-30°C	There are chances of moderate to heavy rainfall during the					
Minimum Tem. (°C):1	.5-18ºC	next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):95-	· 98 %	the next 5 days may range for 28-29°C and 12-13°C.					
Minimum RH (%):71-	82%	Maximum relative humidity is expected in the range of 95-					
Wind Direction: Sout	heasterly	99% and minimum may from 52-63%. Wind direction					
Cloud cover: Mainly	cloudy		2				
Wind speed: 4.38 km	/hr	would be easterly to southeasterly with the wind speed of					
-		2-4 km per hour. Mainly cloudy sky will prevail during the					
Rainfall: 29.8 mm		next five days.					
			ı cumulative r	ainfall: 132.0	mm		
NDVI for Mizoram		North East Region 21	Mildly dry	condition oc	curs in all		
		~ =-	districts of				
		5000					
		Total I	51.				
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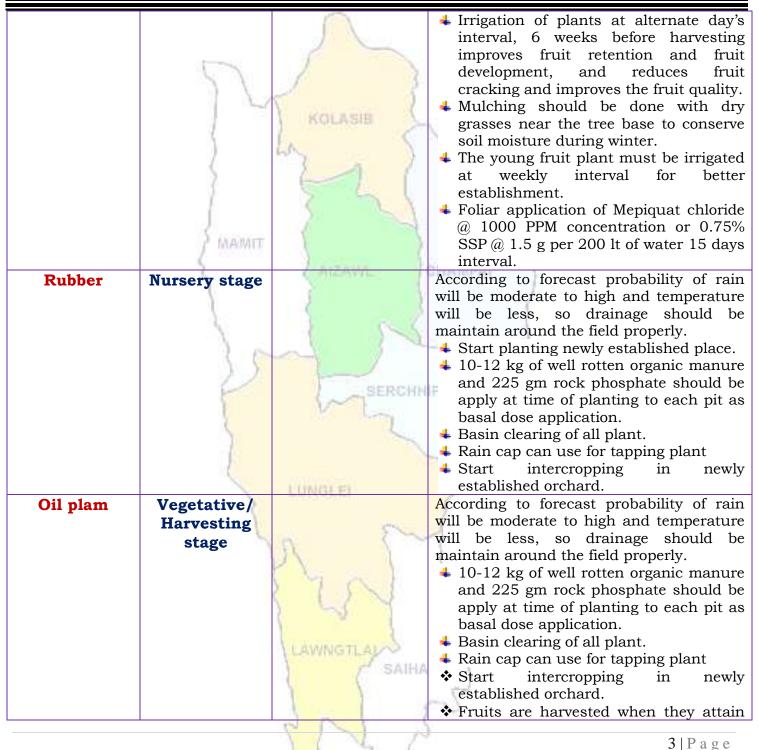


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	2 8	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	hulasin	be less, so drainage should be maintain
LIME	Stage	Ex. S	around the field properly.
	1	~~~ <i>1</i>	By seeds: Seed should be sown in the
STAR FRUIT)		nursery immediately after extraction in
	2	5 5 1	to a depth 1.5 to 2 cm extraction at
	1	5. 54	10x5 cm distance. Seedlings are planted
PLUM AND	2		in secondary bed or polythene bags at 4-
PEACH	/ MAMIT		6 leaf stages.
I LAOII	S	ANZAWA_	+ Potting mixture of soil, sand and FYM or
	S	Concernance:	compost should be in proper ratio.
	1	5	Application of split dose of fertilizer 600:
	5	Sec. 10	200:100 (g/pt).
	1	1 55	• Only certified seed should be used.
) 6	A 1 7	+ Stagnation of water in beds should be
	101		avoided.
	0	SERCH	
		(~)	at any time; however, pre-monsoon is
	2	and the second	the best time for transplant or gap
	1	1	filling.
		· · · · · · · · · · · · · · · · · · ·	Standard-size trees should be spaced 12
	1 C		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	3		distance depends on the variety. The
	1	000	bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos
		citrus Canker,	@0.04% @1.2 ml/lt of water.
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	Citrus Canker- Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Blooming	≓ SAIHA	4 If day temperature and prolong dry
	stage		spell occur it lead to Floral
	6		abnormalities like "Star Flower" in
		AR	Arabica and "Pink Flower" in Robusta.
			2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







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		full size, develop attractive colour with
		optimum sugar and acid blend.
Passion Fruit	Transplanting stage	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 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. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of medica.
		method of grafting.
CEREALS AND		
Maize (Jhum)	Vegetative stage	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and
	1	
		4 P a g e



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Jhum Rice Germination stage remaining 25% at flowering stage. Jhum Rice Germination stage 4 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Kharif pulses (Green gram, Black gram and Rajma) Sowing stage 4 Earthing up soil for better growth and stability in root zone. VEGETABLE CROP 4 Use split dose of any nitrogenous fertilizer for better growth. 4 Land preparation or sowing in pits VEGETABLE CROP 4 Rhizome should be treated with Thiram (@4 g/kg seed. 4 Rhizome should be treated with Thiram (@4 g/kg seed. Cucurbitaceo us crop Fruiting stage 4 Rhizome should be treated with Thiram (@4 g/kg seed. Fruiting stage 4 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Fruiting stage 4 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Fruiting stage 4 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Fruiting stage 4 According to forecast probability of rain will be moderate. Cucurbitaceo Fruiting stage Undel 4 According to forecast probability of rain will be moderate				
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ICAR RESEARCH COMPLEX FOR NEH REGION



	flowering stage	KOLASIB Fruit fly	 rain will be moderate and temperature will be less, so drainage should be maintain around 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. 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/1 at
Cowpea	Vegetative stage	AIZAWL	 fortnightly intervals at flowering and fruit initiation. According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain
	35	SERCHH	 around 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	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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	LAWNGTLAN	 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	2011	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young
		1 L C	6 P a g e



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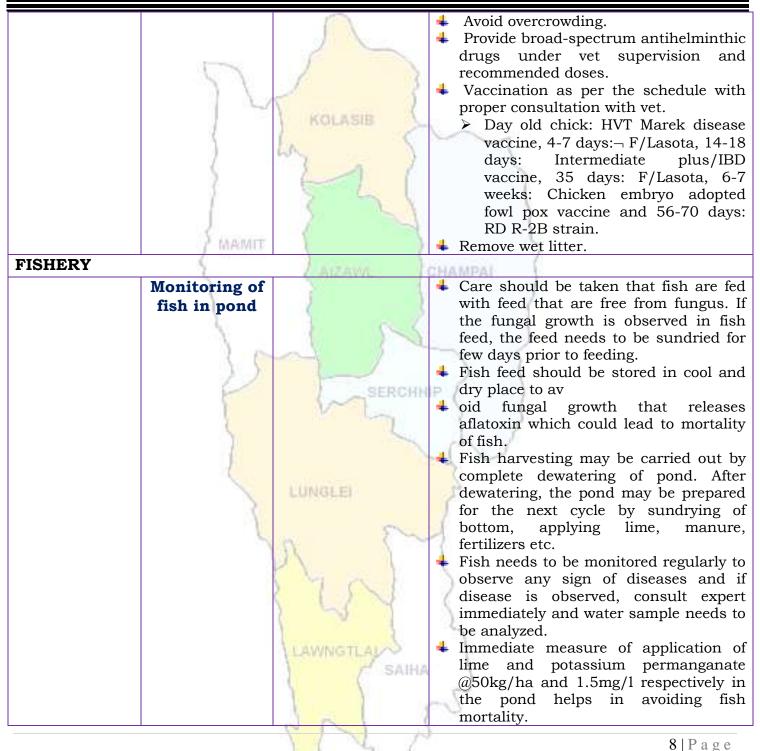


	MAMIT	KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group		 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



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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

9 | 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

Bulletin	No: -	800/20	018/	Bulletin/	Mizo
				A	0

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

		P	1			
Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	47	30	25	18	12	
Max Temp (°C)	29	29	29	29	28	
Min Temp (°C)	12	12	13	13	13	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	98	98	99	95	97	
Min RH (%)	63	57	57	52	61	
Wind Speed (KmpH)	4	2	3	4	4	
*Wind Direction	E	E	E	E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha Lunglei	31, 2018 (Percent) i- 239.49mm (250.30mm) -344.00mm (186.21mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) -411.72mm (259.8mm)	
Weather summary of three days	of the past s	20 th June – 24 th June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):95- Minimum RH (%):71-3 Wind Direction: South Cloud cover: Mainly of Wind speed: 4.38 km Rainfall: 29.8 mm	5-18°C 98% 82% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin of 95-99% niin. Thli hi dar awi zawngin a th hian khawthiang Weekly	Khua a lum lai 12-13ºC ni tu leh a hniam la kar khatah 2-4 eh rin a ni. A tl g tak hmuh bei	berin 28-29°C ura beisei a ni u berin 52-63% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai 6 ni tur a rin in chhaklam i nga chhung	
NDVI for Mizoram		North East Region 21.4a	Moderately conditions	wet mildly dr	y/mildly wet	
		612	P		1 Page	

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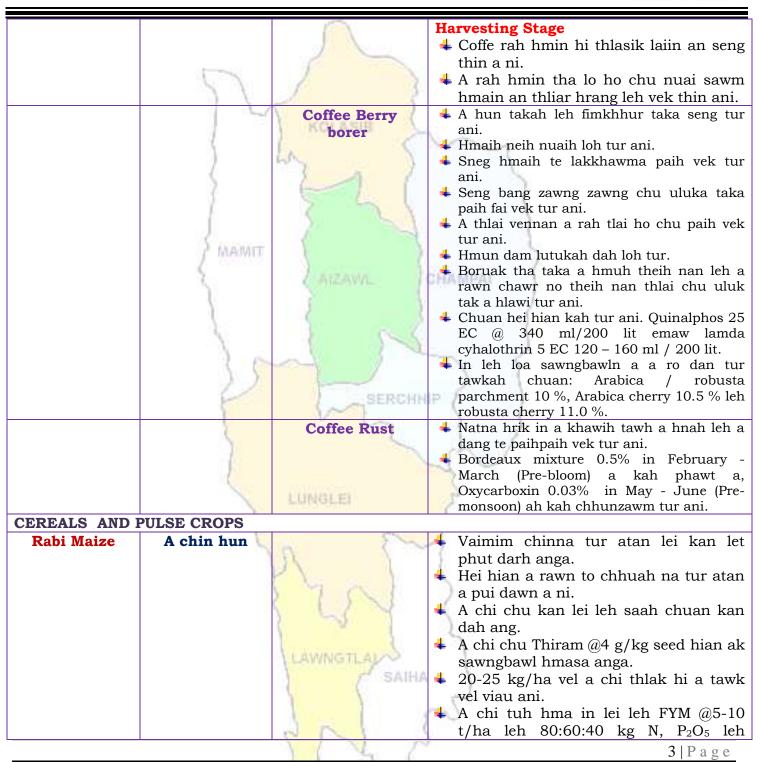


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	1
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME)	La N	👍 Thlai naupang deuah chuan chawlh
	(3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		🖊 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
	3.0	Z ARZAWIL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
	100	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang him nature a stem duk a Sail hama nature
		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
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	10		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	11	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	5	n ?~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		The set V	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
			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	ani. Ni 45 kmz zalah a tiali thin a aku aku
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1 2 1	bag ah an sawn chhuak leh thin ani.
		6151 A	
		FI TA C	2 P a g e



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Soybean, pea,	All stage	Zero tillage	 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. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow		"Fhi	 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	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
		NN A	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	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	ENDARY		
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.
		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.
		PN A	6 P a g e



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	52	\sum	 Tui an in tur chhawpna tur tha /lian 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 tur ani.
	Preventive	0-3 rd week	ani. 4 Ranikhet Disease- an pian atanga n
	10	U-3 ** WEEK	1-6 ah F1 vaccine pek tur ani a, chuai
	measures	60 J	a puitlingh chuan R_2B vaccine pek tu
	S		ani.
	5	5 6	➡ B complex with antibodies
	-	4 th weeks	4 Coccidiosis - Amprolium o
	R. marine		coccidiostat
	/ MADALE	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	8	A ATZAWAL	CHAMPAL
	Monitoring (Sangha enkawl)		 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. 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 mawng 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 leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.
		6 N N	710
		4	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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8 | Page



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

Guwahati)



District: Lunglei

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

		- 14-1					
Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018		
Rainfall (mm)	36	35	21	17	19		
Max Temp (°C)	31	31	32	32	32		
Min Temp (°C)	14	14	14	15	15		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear		
Max RH (%)	100	100	100	99	100		
Min RH (%)	60	53	53	65	73		
Wind Speed (KmpH)	4	2	3	3	3		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- S-W, Westerly-W, North-westerly- N-W.					
		31, 2018 (Percent					
Aizawl- 383.68mm	Champhai-	239.49mm S	aiha- 109.52 mm	Kolasib-	352.38mm		
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			<mark>lamit-449.48mm</mark>	· · · · · · · · · · · · · · · · · · ·	p-411.72mm		
(285.5mm)		86.21mm)	(442.80mn	-	(259.8mm)		
Weather summary	of the past	Weather fored	east valid from	1 20 th June, 20	18 To 24 th		
three day	s	June, 2018.					
Maximum Tem. (°C):2	23-27°C	There are chances of moderate to heavy and very heavy					
Minimum Tem. (°C):1	4-16°C	rainfall during the next 5 days. The maximum and					
Maximum RH (%):92-	100%	minimum temperatures for the next 5 days may range for					
Minimum RH (%):71-84%		$31-32^{\circ}$ C and $14-15^{\circ}$ C. Maximum relative humidity is					
Wind Direction: Sout		5					
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	expected in the range of 99-100% and minimum may from 53-75%. Wind direction would be easterly with the wind					
Wind speed: 4.21 km	· · · · · · · · · · · · · · · · · · ·						
wind speed. 4.21 km/m		speed of 2-4 km per hour. Mainly cloudy sky will prevail					
Rainfall: 64.2 mm		during the next five days.					
		Weekly	cumulative r	ainfall: 128.0	mm		
NDVI for Mizoram		North East Region 29	Mildly dry	condition of	curs in all		
		~	districts of		in un		
		10 m	districts of	wiizoram.			
		Frank S					
		SEN .					
		NY.	31				
		w =	and the second				
		region					
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



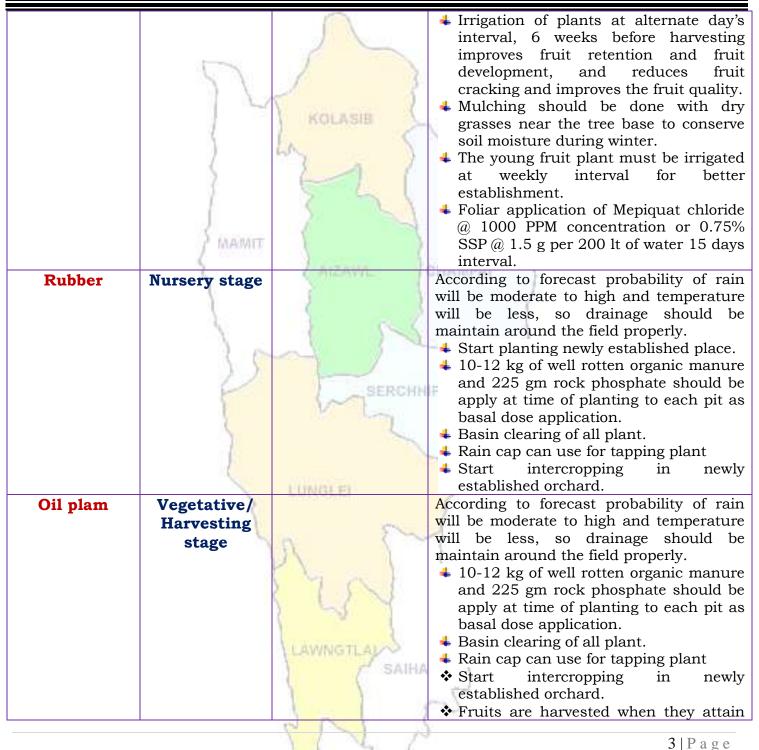
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	Nursery and	2 1	According to forecast probability of rain will	
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will	
AND ACID	stage	I NULHOLD	be less, so drainage should be maintain	
LIME	Stage	LA.	around the field properly.	
	(3 . 1	4 By seeds: Seed should be sown in the	
STAR FRUIT	2		nursery immediately after extraction in	
	1	2 5 1	to a depth 1.5 to 2 cm extraction at	
	1	2 24	10x5 cm distance. Seedlings are planted	
PLUM AND	Second and		in secondary bed or polythene bags at 4-	
PEACH	/ MAMIT		6 leaf stages.	
	S	LAIZAWAL I	+ Potting mixture of soil, sand and FYM or	
			compost should be in proper ratio.	
			4 Application of split dose of fertilizer 600:	
	100	N 10 11	200:100 (g/pt).	
	1		4 Only certified seed should be used.	
	2 6		4 Stagnation of water in beds should be	
)		avoided.	
	1	SERCH	4 In the citrus belt, trees can be planted	
	1	V~1	at any time; however, pre-monsoon is	
	1		the best time for transplant or gap	
			filling.	
	0.00		Standard-size trees should be spaced 12	
	all	WHAT STOL	to 25 feet apart and dwarf trees should	
	1	LUNGLEI	be set 6 to 10 feet apart. The exact	
	5		distance depends on the variety. The	
		5	bigger the fruit, the farther the distance.	
		Gummosis,	Lamon butterfly- Spray monocrotophos	
		citrus Canker,	@0.04% @1.2 ml/lt of water.	
		Citrus greening,	Leaf minor - Spray confidor 0.05% (0.5	
		Dieback, Lamon	ml/lit of water) at each flush emergence.	
		butterfly and	Citrus Canker- Apply bacterimycin @0.6 g/lt of water.	
	0.2	leaf minor	wo.og/it of water.	
PLANTATION CR	-			
COFFEE	Blooming	SAIH/	If day temperature and prolong dry	
	stage		spell occur it lead to Floral	
			abnormalities like "Star Flower" in	
		123	Arabica and "Pink Flower" in Robusta.	
2 P a g e				

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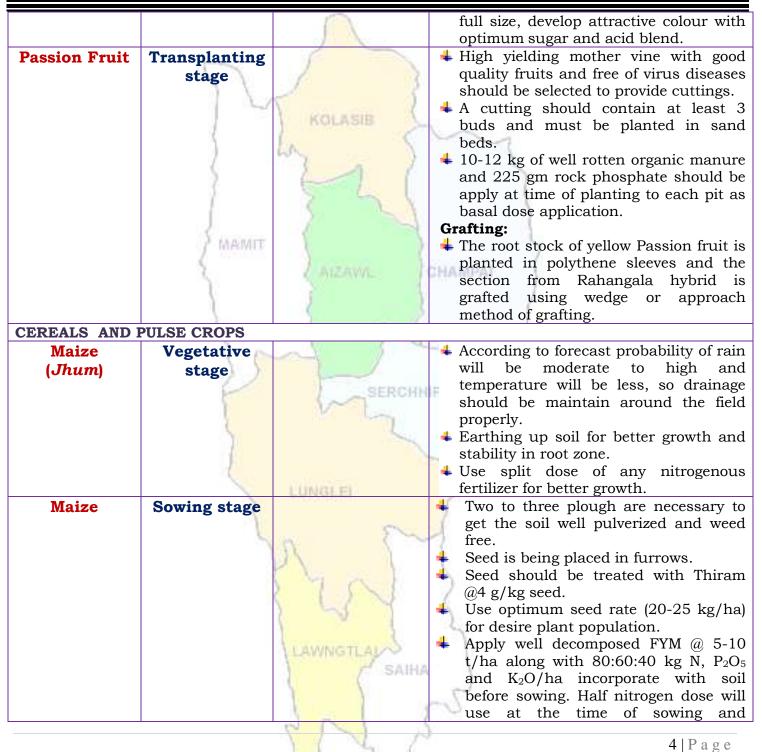






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		0	remaining 25% after one month and
		and the second	25% at flowering stage.
Jhum Rice	Germination		4 According to forecast probability of rain
	stage	1	will be moderate to high and
		2 3	temperature will be less, so drainage
		N	should be maintain around the field
		KOLASIB	properly.
	1	E. S	4 Earthing up soil for better growth and
	1	W7 2 7	stability in root zone.
	S		4 Use split dose of any nitrogenous
	5	Stal	fertilizer for better growth.
Kharif pulses	Sowing stage	5 54	Land preparation or sowing in pits
(Green gram,	2		4 Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	X 2	MOP @ 20: 60: 40 kg.
Rajma)	S	Laizour	Use PSB 2g/kg for better germination.
VEGETABLE CR	OP		
Ginger and	Sowing stage	1	4 Rhizome should be treated with Thiram
turmeric	200		@4 g/kg seed.
	1 St. 1		Use optimum seed rate (50-60 kg/ha)
	2 6		for desire plant population.
	(1)		Apply well decomposed FYM/ pig
		SERCHN	manure @ 10-20 t/ha along with
	1	V	120:80:60 kg N, P_2O_5 and K_2O/ha
	5		incorporate with soil before sowing.
			Half nitrogen dose will use at the time
			of sowing and remaining 25% after one
<u> </u>		With a second	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	1		rain will be moderate and temperature
	C.		will be less, so drainage should be
		A N	 maintain around the field properly. Provide split doses of urea (70g/pt) at
			the time of full blooming
		1 7 6 1	0
		LIN	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent
			suspension containing sugar or
		Contractor and the second	jeggery at 10 g/l at fortnightly
		LAWNGTLAN	intervals at flowering and fruit
		/ SAIHA	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to		 According to forecast probability of
~		001	
		1 4 C	5 P a g e



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stagewill be le maintain a stability ir + Don't use fertilizer for + If possible mulch in and betterCowpeaVegetative stageFruit fly+ In large gard or malathic containing s fortnightly initiation.CowpeaVegetative stage+ According will be mo be less, so around the + Earthing u stability in + Don't use s	e moderate and temperature ess, so drainage should be around the field properly. ap soil for better growth and a root zone. split dose of any nitrogenous or better growth.
Cowpea Vegetative stage Kage Fruit fly Earthing u stability in the possible mulch in and better Fruit fly In large gard or malathic containing store for thightly in initiation. Cowpea Vegetative stage U Image stage Image stage Image stage <tr< th=""><th>around the field properly. ap soil for better growth and a root zone. split dose of any nitrogenous or better growth.</th></tr<>	around the field properly. ap soil for better growth and a root zone. split dose of any nitrogenous or better growth.
Cowpea Vegetative In large gard or malathic containing stability in initiation. Cowpea Vegetative According will be mobeless, so around the test be less, so around the test be less be less, so around the test be less be less, so around the test be less be l	ap soil for better growth and a root zone. split dose of any nitrogenous or better growth.
Cowpea Vegetative In large gard or malathic containing a fortnightly initiation. Kame Vegetative According will be mobelless, so around the test	a root zone. split dose of any nitrogenous or better growth.
Cowpea Vegetative stage In large gard or malathic containing a fortnightly initiation. Lambda La	split dose of any nitrogenous or better growth.
Cowpea Vegetative If possible mulch in and better or malathic containing so fortnightly in initiation. Cowpea Vegetative stage If possible mulch in and better or malathic containing so fortnightly in initiation. Cowpea Vegetative stage If possible mulch in and better or malathic containing so fortnightly in initiation. Image: Stage Image: Stage Image: Stage Image: Stage Image: Stage Image: Stage Image	or better growth.
Cowpea Vegetative If possible mulch in and better or malathic containing so fortnightly in initiation. Cowpea Vegetative stage Image: stage	or better growth.
Cowpea Vegetative stage Fruit fly If possible mulch in and better Vegetative stage Fruit fly In large gard or malathic containing s fortnightly initiation. Cowpea Vegetative stage According s will be mo be less, so around the # Earthing u stability in # Don't use s	
Cowpea Vegetative stage Image: Stage Ima	e use straw mulch/ grass
Cowpea Vegetative stage Image gard or malathic containing s fortnightly in initiation. Cowpea Vegetative stage Image gard fortnightly in initiation.	row to prevent moisture loss
Cowpea Vegetative Image for the stage Stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage Image for the stage <	growth of plant.
Cowpea Vegetative stage Image: Complement of the stage Image: Complement of the	lens apply carbaryl 0.2 per cent
Cowpea Vegetative stage Image: Containing structure initiation. Stage Vegetative stage According will be mobeless, so around the stability in stability i	on 0.15 per cent suspension
Cowpea Vegetative stage fortnightly initiation. Stage 4 According will be mobeless, so around the stability in stabi	sugar or jeggery at 10 g/l at
Cowpea Vegetative stage initiation. Vegetative stage 4 According will be mo be less, so around the Earthing u stability in Don't use stability	ntervals at flowering and fruit
CowpeaVegetative stageAccording will be mo be less, so around the t Earthing u stability in t Don't use stability	intervalo at nowering and mait
stage will be modeless, so around the tearthing us stability in tearthing us	to forecast probability of rain
be less, so around the Earthing u stability in Don't use s	derate and temperature will
around the Earthing u stability in Don't use s	drainage should be maintain
↓ Earthing u stability in ↓ Don't use s	-
stability in Don't use s	p soil for better growth and
↓ Don't use s	
	split dose of any nitrogenous
fortilizon fo	
	r better growth.
	to forecast probability of rain
	derate and temperature will
	drainage should be maintain
	field properly.
	p soil for better growth and
Stability III	
	split dose of any nitrogenous
	r better growth.
	done well prepared land or
	p with FYM (12-15) t/ha
	orms or cormels are planted
	at a spacing of 40-50 cm
	d within rows in the pits.
	fertilizer like Urea, SSP and
): 375: 134 kg.
ANIMAL HUSBENDARY	
kept in all	must keep in dry place or
(straw) te	nust keep in dry place or eviated area and dry bedding



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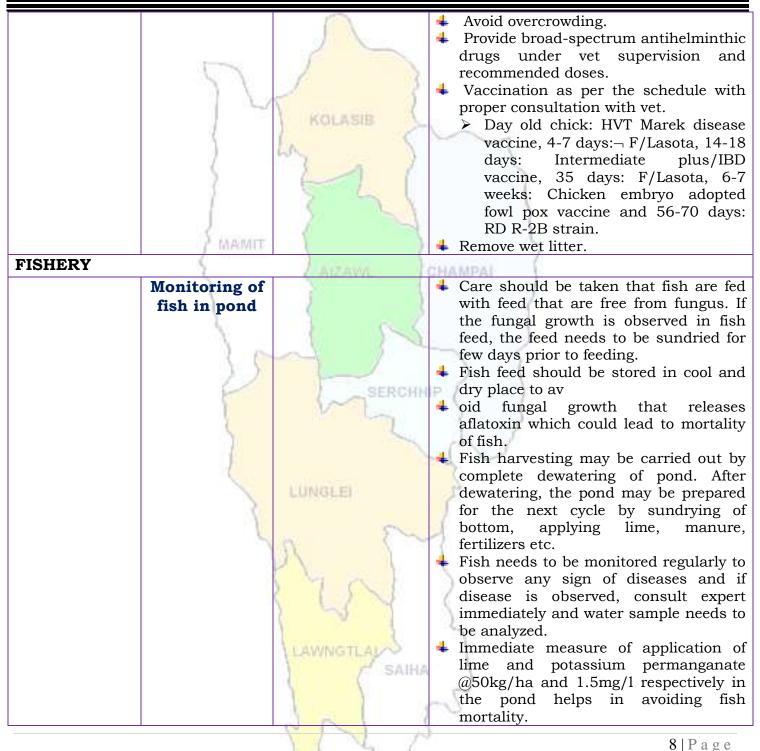


		Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group		 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
		612 1	7 P a g e



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LAWNGTLA SAIHA

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District: Lunglei

Bulletin	No: -	800/20	18/	Bulletin/	Mizo
			1.00	(A)	0

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

			4.0			
Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	36	35	21	17	19	
Max Temp (°C)	31	31	32	32	32	
Min Temp (°C)	14	14	14	15	15	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Partially clear	Partially clear	
Max RH (%)	100	100	100	99	100	
Min RH (%)	60	53	53	65	73	
Wind Speed (KmpH)	4	2	3	3	3	
*Wind Direction	E	E	E	E	E	
Northe	rly- <mark>N</mark> , North-I	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
		31, 2018 (Percent)				
Aizawl- 383.68mm (341.8mm)	-	i- 239.49mm (250.30mm)	Saiha- 109.52 m (87.2m)		352.38mm (380.9mm)	
Lawngtlai-321.51mm		344.00mm	Mamit-449.48m		0-411.72mm	
(285.5mm)		186.21mm)	(442.80m	-	(259.8mm)	
Weather summary					sik leh sa	
three day		20 th June – 24 th June, 2018 chhunga sik leh sa				
		dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):92- Minimum RH (%):71-3 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 4.21 km	4-16°C 100% 84% heasterly cloudy	Fun ni 5 chhur tura beisei a ni. vawh lai ber in berin 99-100% l niin. Thli hi dar awi zawngin a tla hian khawthiang	Khua a lum lai 14-15ºC ni tu eh a hniam la kar khatah 2-4 eh rin a ni. A tl	berin 31-32ºC ura beisei a ni i berin 53-75% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai o ni tur a rin tin chhaklam	
Rainfall: 64.2 mm		Weekly cumulative rainfall: 128.0mm				
NDVI for Mizoram		Romin Law Region 33 for	Mildly dry districts of	condition oc Mizoram.	curs in all	
		112	13		1 Page	

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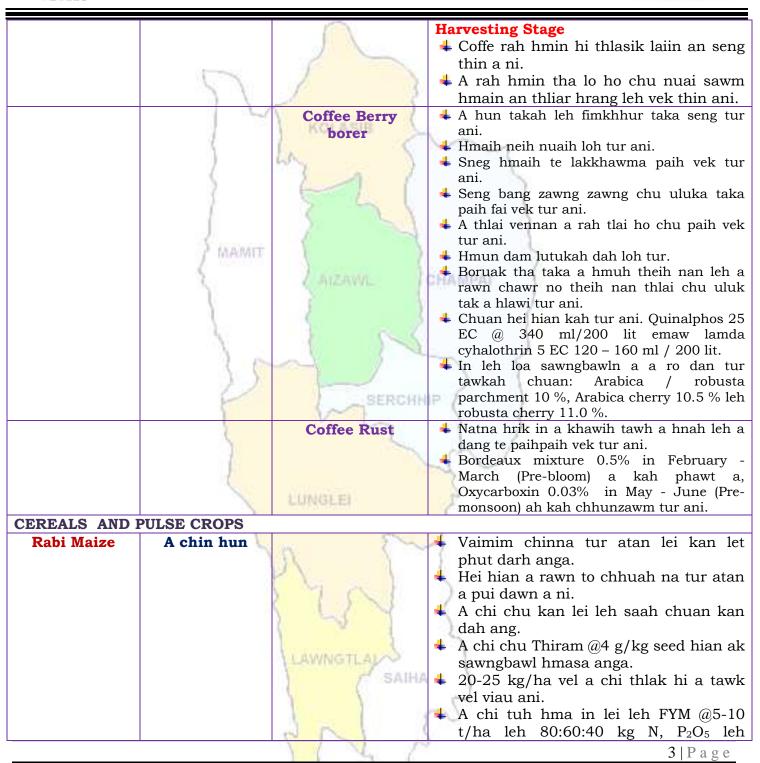


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	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
	2 0000000	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	1	(ATZAWIL)	GHP	IMPAI
	Monitoring	1 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
	<pre></pre>			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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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, Cumphati)

Guwahati)



District: Mamit

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

			4.			
Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	43	41	35	28	13	
Max Temp (°C)	30	30	31	31	31	
Min Temp (°C)	21	21	22	22	23	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	100	100	98	97	
Min RH (%)	57	53	56	60	57	
Wind Speed (KmpH)	2	4	2	2	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mo Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champhai- (2 Lunglei-3	250.30mm)	of deviation from aiha- 109.52 mm (87.2mm Iamit-449.48mm (442.80mm	h Kolasib) Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)	
Weather summary			`		· · · · · ·	
three day		Weather forecast valid from 20 th June, 2018 To 24 th June, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to heavy and very heavy				
Minimum Tem. (°C):1 Maximum RH (%):91- Minimum RH (%):76-4 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 4.13 km Rainfall: 59.6 mm	9-22°C 100% 82% heasterly cloudy	rainfall during minimum temper 30-31°C and 2 expected in the r 53-60%. Wind c wind speed of 2 prevail during th	the next 5 ratures for the 1-23°C. Maximum cange of 97-100 lirection would 2-4 km per ho are next five day	days. The mage next 5 days n mum relative 0% and minimu l be southeasto our. Mainly clo s.	aximum and hay range for humidity is um may from erly with the budy sky will	
				ainfall: 160.0		
NDVI for Mizoram		North East Region 20	Mildly dry districts of	condition oc Mizoram.	curs in all	
		6 5	13		110	
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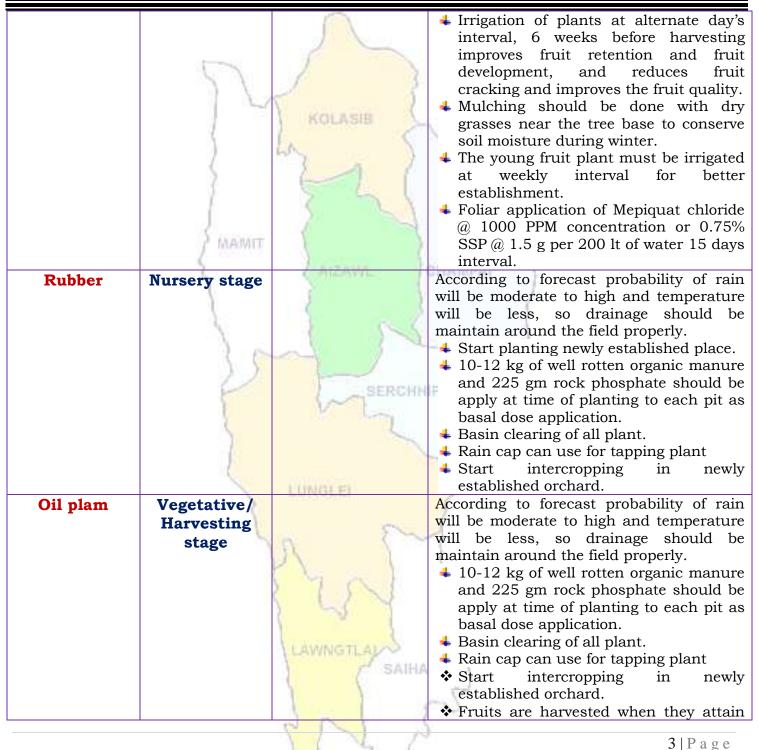
Main Crop/ Animal /FisheriesStage/FisheriesFRUITS CROPSKHASI MANDARIN AND ACID LIMENursery and gap filling stageSTAR FRUITPLUM AND	KOLASIB	 Agricultural / Horticultural/ animal husbandry advisories According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. 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 			
/FisheriesFRUITS CROPSKHASI MANDARIN AND ACID LIMENursery and gap filling stageSTAR FRUITPLUM AND	d KOLASIB	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 			
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MANDARIN AND ACID LIME STAR FRUIT	KOLASIB	 be moderate to high and temperature will be less, so drainage should be maintain around the field properly. By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 			
AND ACID LIME STAR FRUIT	hor and a	 be less, so drainage should be maintain around the field properly. By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 			
LIME STAR FRUIT	my sha	 around the field properly. By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at 			
LIME STAR FRUIT PLUM AND	"JL	By seeds: Seed should be sown in the nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at			
PLUM AND	FL.	nursery immediately after extraction in to a depth 1.5 to 2 cm extraction at			
PLUM AND	5-5	to a depth 1.5 to 2 cm extraction at			
PLUM AND					
PLUM AND		10x5 cm distance. Seedlings are planted			
PLUM AND		0 1			
	ME N	in secondary bed or polythene bags at 4-			
PEACH		6 leaf stages.			
	(ATZAWIL)	+ Potting mixture of soil, sand and FYM or			
1	1	compost should be in proper ratio.			
1	1	Application of split dose of fertilizer 600:			
	5 64	200:100 (g/pt).			
		Only certified seed should be used.			
5		Stagnation of water in beds should be serviced			
1		avoided.			
	SERCH	I In the citrus belt, trees can be planted			
	M Long	at any time; however, pre-monsoon is the best time for transplant or gap			
S.		filling.			
10		Standard-size trees should be spaced 12			
1		to 25 feet apart and dwarf trees should			
	LUNGLEI	be set 6 to 10 feet apart. The exact			
	(Contraction)	distance depends on the variety. The			
	1	bigger the fruit, the farther the distance.			
	Gummosis,	Lamon butterfly - Spray monocrotophos			
	citrus Canker,	@0.04% @1.2 ml/lt of water.			
	Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5			
	Dieback, Lamon	ml/lit of water) at each flush emergence.			
	butterfly and	Citrus Canker - Apply bacterimycin			
	leaf minor	@0.6 g/lt of water.			
PLANTATION CROP					
COFFEE Blooming	+ SAIHA	4 If day temperature and prolong dry			
stage		spell occur it lead to Floral			
		abnormalities like "Star Flower" in			
		Arabica and "Pink Flower" in Robusta.			
	2 P a g e				

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		full size, develop attractive colour with
		optimum sugar and acid blend.
Passion Fruit	Transplanting stage	 High yielding mother vine with good quality fruits and free of virus diseases should be selected to provide cuttings. A cutting should contain at least 3 buds and must be planted in sand beds. 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. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
CEREALS AND I Maize		According to fearered with shilling of using
(Jhum)	Vegetative stage	 According to forecast probability of rain will be moderate to high and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Maize	Sowing stage	 Two to three plough are necessary to get the soil well pulverized and weed free. Seed is being placed in furrows. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅
		and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and



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Jhum Rice Germination stage 4 According to forecast probability of rai will be moderate to high an temperature will be less, so drainag should be maintain around the fiel properly. Kharif pulses (Green gram, lack gram and Rajma) Sowing stage 4 Land preparation or sowing in pits EGETABLE CROP 4 Use PSB 2g/kg for better growth. Ginger and turmeric Sowing stage 4 Rhizome should be treated with Thirar @4 g/kg seed. EGETABLE CROP Sowing stage 4 Rhizome should be treated with Thirar @4 g/kg seed. Cucurbitaceo us crop Fruiting stage 4 Rhizome should be treated with Thirar @4 g/kg seed. Fuiting stage 4 According to forecast probability of rain will be moderate and temperatur will be loss, so drainag should be treated with Thirar @4 g/kg seed. Cucurbitaceo us crop Fruiting stage 4 According to forecast probability or rain will be moderate and temperatur will be loss, so drainage should be maintain around the field properly. 4 According to forecast probability or rain will be moderate and temperatur will be loss, so drainage should be maintain around the field properly.				
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 us crop rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Provide split doses of urea (70g/pt) at the time of full blooming In large gardens apply carbaryl 0.2 per cert or malathion 0.15 per cert suspension containing sugar of jeggery at 10 g/l at fortnight. 	On on thit o o o	Densities of a day and	A CONTRACTOR OF A	
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 Provide split doses of urea (70g/pt) a the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar of jeggery at 10 g/l at fortnight 		5	m 8~	
the time of full blooming In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cer suspension containing sugar of jeggery at 10 g/l at fortnight			16	
In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cer suspension containing sugar jeggery at 10 g/l at fortnight			P Var and V	
cent or malathion 0.15 per cer suspension containing sugar of jeggery at 10 g/l at fortnight			2 1 5 1	✤ In large gardens apply carbaryl 0.2 per
jeggery at 10 g/l at fortnight			1 55 7	cent or malathion 0.15 per cent
			N	
internals at flowering and for-			LAWNGTLAL	jeggery at 10 g/l at fortnightly
				intervals at flowering and fruit
initiation against fruit fly an				
pumpkin beetle.	01.111	TT . 4 . 4 . 4		
Chilli Vegetative to 4 According to forecast probability of	Chilli	vegetative to	201	+ According to forecast probability of
5 Page			VIL M	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Cowpea Vegeta	KOLASIB	 rain will be moderate and temperature will be less, so drainage should be maintain around 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. If possible use straw mulch/ grass mulch in row to prevent moisture loss
Cowpea Vegeta	KOLASIB	 maintain around 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. If possible use straw mulch/ grass
	han	 Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass
	han	 stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. If possible use straw mulch/ grass
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	han	fertilizer for better growth. If possible use straw mulch/ grass
	han	fertilizer for better growth. If possible use straw mulch/ grass
	hand	4 If possible use straw mulch/ grass
	1	
		match in iow to prevent monoture 1000
		and better growth of plant.
	Ewnit flyz	↓ In large gardens apply carbaryl 0.2 per cent
	Fruit fly	or malathion 0.15 per cent suspension
		containing sugar or jeggery at 10 g/l at
	INFORME STATE	fortnightly intervals at flowering and fruit
	MAMIT	initiation.
	ative	According to forecast probability of rain
		will be moderate and temperature will
Stag	50	be less, so drainage should be maintain
		around the field properly.
		Earthing up soil for better growth and
	1 0 0 1	stability in root zone.
		 Don't use split dose of any nitrogenous
	SERC	
		8
Okra Vegeta		According to forecast probability of rain
stag	ge	will be moderate and temperature will
	1	be less, so drainage should be maintain
	1	around the field properly.
	LUNGLEI	+ Earthing up soil for better growth and
	S and a second	stability in root zone.
		Don't use split dose of any nitrogenous
	6	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
) Le Y	5-7 deep at a spacing of 40-50 cm
		between and within rows in the pits.
	A second s	+ Inorganic fertilizer like Urea, SSP and
	LAWNGTLAV	MOP @ 220: 375: 134 kg.
ANIMAL HUSBENDARY		
Pig All sta	ages	4 Animals must keep in dry place or
_		kept in alleviated area and dry bedding
÷	N N	(straw) to be provided to young



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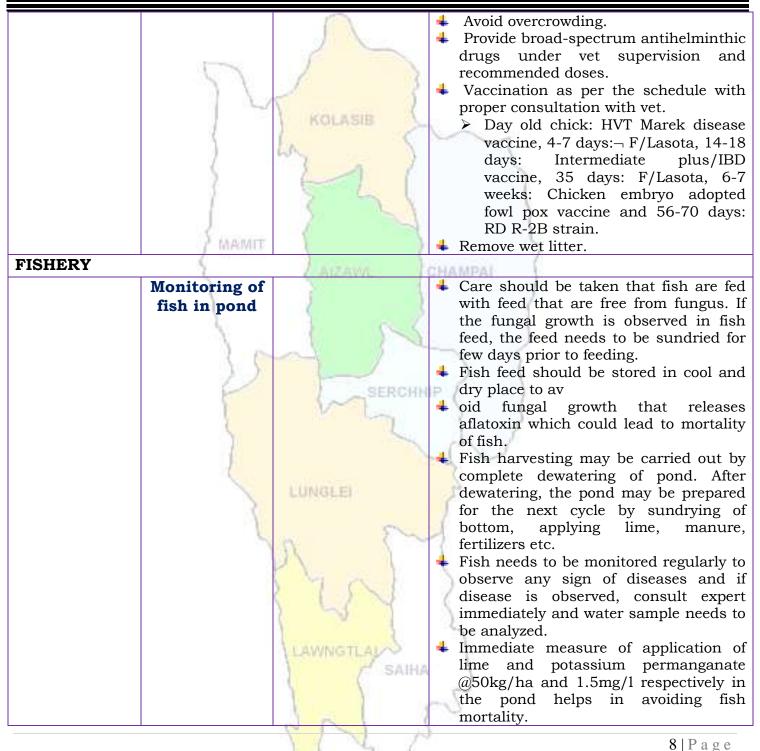


	AMAINIT	Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group		 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
		612 1	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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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Mamit

Bulletin	No: -	800,	/2018/	Bulletin,	Mizo
				- A -	0

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

		P.	3		
Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018
Rainfall (mm)	43	41	35	28	13
Max Temp (°C)	30	30	31	31	31
Min Temp (°C)	21	21	22	22	23
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	99	100	100	98	97
Min RH (%)	57	53	56	60	57
Wind Speed (KmpH)	2	4	2	2	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E
Northe	rly- N, North-	Easterly- N-E, Easterly-	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 Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm)	Champha	(250.30mm)	of deviation from Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m	m Kolasib- m) m Serchhij	nthesis) 352.38mm (380.9mm) p-411.72mm (259.8mm)
Weather summary of three day	s	20 th June – 2	4 th June, 20 dinhmun tu	18 chhunga r tlangpui	sik leh sa
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):91- Minimum RH (%):76-3 Wind Direction: Sout Cloud cover: Mainly o Wind speed: 4.13 km	9-22°C 100% 82% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 97-100% l niin. Thli hi dar awi zawngin a tle hian khawthiang	Khua a lum lai 21-23ºC ni tu eh a hniam la kar khatah 2-4 eh rin a ni. A tl	berin 30-31ºC ura beisei a ni i berin 53-60% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai o ni tur a rin cin chhaklam
Rainfall: 59.6 mm		Weekly	y cumulative r	<mark>ainfall:</mark> 160.0	mm
NDVI for Mizoram		North East Ragion 21 far	Mildly dry districts of	condition oc Mizoram.	curs in all
		5N7	P		1 Page



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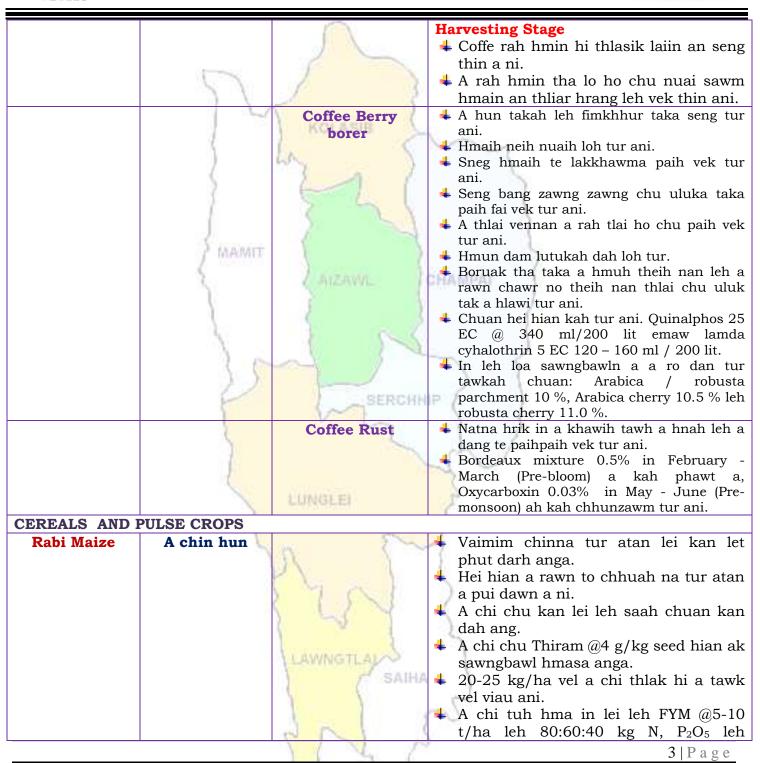


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	1	1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	velah dahkhawm tur ani.
LIME)	LA.	4 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	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
	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	1		
	100	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
	3	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 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 Tro	Phosphobacterium a enkawl tur ani.
		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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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	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.
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 capsicum Nursery stage Poly house Thlai han lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. Thlai bula han thi leter 1 pawlha kah tur ani. Thai bula wan fnanawn nana thlai bula himir ring vawm khawm bi tui pek zawhah dah tur ani. Thlai bula wan fnanawn nana thlai bula himir ring vawm khawm bi tui pek zawhah dah tur ani. Thlai bula wan fnanawn nana thlai bula himir ring vawm khawm bi tui pek zawhah dah tur ani. Phytopthora blight A chi veri that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha lea ani Hach 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 leani. French bean Sowing stage Tui pek a hnihnah hringa khuh tur ani a. that thein nan tui pek hma in lei rin pan hmasak tur ani. A than a that thein nan nikhat danah tui pek thin tur ani. Tui pek a hnihnah hringa khuh tur ani in lei rin pan hmasak tur ani. A than a that thein nan nikhat danah tui pek thin tur ani. Tui pek hini thai bul vawn hnawn na tur siam tur ani. Tui pek hini thai bul vawn hnawn na tur siam tur ani. Thi pah hui ah thi di um a rawn awm thina, hei hi natna than thai hui lei ten zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. 				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.Phytopthora blight4 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stage<		5	KOLASIB	 ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stagePhytopthora blight4 Chi yen that nan thiram 3g/kg seed emaw 1richoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.French beanSowing stage4 A chi yen that nan thiram 3g/kg seed yen that hale ani.Carrot and radishSowing stage4 Chi yen that nan thiram thi pa hmasak tur ani.Carrot and radishSowing stage4 Chi yen that nan thiram thi pa hmasak tur ani.Carrot and radishSowing stage4 Chi yen that nan thi hi nan tui pek hma a new 1 nan thi pa hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hma a htui pek hin tur ani.Thia inna han thi tui pek hin tur ani.5 Carrot and tui pek hin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hin tur ani.Thia inna han thi tui pek hin tur ani.5 Carrot and tui pek hin tur ani.Thia inna han thi tui pek hin tur ani.5 Carrot and tui pek hin tur ani.Thia inna han tui pek hin tur ani.5 Carrot and tui pek hin tur ani.Thia inna han tui pek hin tur ani.6 A than a that theih nan nikhat danah tui pek hin tur ani.Thia inna han tui pek hin tur ani.7 Carrot and tui pek hin tur ani.Thia inna han thi hin tur ani.7 Carrot and tui pek hin tur ani.Thia inna han tui pek hin tur ani.<		Nursery stage	Poly house	tui pek thin tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing 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.Carrot and radishSowing stage+ A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage- A than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage- A than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage- A than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage- A than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage- A than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Datis a vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani Thiai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		{ MAIMIT	AIZAWA	 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
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam 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.		25		 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
radish 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.	French bean	Sowing stage		 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
		Sowing stage		 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
ELD.			C N N	5 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



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.
	AMAINIT	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.
		6 N 2	6 P a g e



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			 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 measures	0-3 rd week	 Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	L	4 th weeks	 Coccidiosis- Amprolium or coccidiostat
	/ MADYN F	4-5 th Weeks	\downarrow Calcium tonic fortified with B ₁₂
FISHERY	3	ANZAWAL I	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.
		dal 1	~5
			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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8 | 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, Cumphati)

Guwahati)



District: Saiha

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

		- 1 P - 1	1			
Parameters	20.06.2018		22.06.2018	23.06.2018	24.06.2018	
Rainfall (mm)	44	30	26	14	26	
Max Temp (°C)	29	29	29	29	28	
Min Temp (°C)	12	12	13	13	13	
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	
Max RH (%)	99	99	96	95	99	
Min RH (%)	64	53	52	54	74	
Wind Speed (KmpH)	4	2	4	4	4	
*Wind Direction	E	E	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				
Status of Pre Mo	onsoon- May 1-	31, 2018 (Percent	of deviation from	n normal in pares	nthesis)	
Aizawl- 383.68mm	Champhai-	239.49mm S	aiha- 109.52 mm	Kolasib-	352.38mm	
(341.8mm)		250.30mm)	(87.2mm		(380.9mm)	
Lawngtlai-321.51mm			lamit-449.48mm		-411.72mm	
(285.5mm)	(1	186.21mm)	(442.80mm		(259.8mm)	
Weather summary	of the past	Weather fored	east valid from	a 20 th June, 20	18 To 24 th	
three day	s	June, 2018.				
Maximum Tem. (°C):2	23-27°C	There are chances of moderate to heavy and very heavy				
Minimum Tem. (°C):1	4-17ºC	rainfall during the next 5 days. The maximum and				
Maximum RH (%):91-99%		minimum temperatures for the next 5 days may range for				
Minimum RH (%):72-						
Wind Direction: Sout		28-29°C and 12-13°C. Maximum relative humidity is				
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	expected in the range of 95-99% and minimum may from				
Wind speed: 4.09 km	· · · · · · · · · · · · · · · · · · ·	52-74%.Wind direction would be southerly to southeasterly				
wind speed. 4.09 kin	/ 111	to easterly and southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next				
Rainfall: 31.3 mm						
Kaiman: 51.5 mm		five days.				
		live days.				
		Weekly cumulative rainfalls 140.0 mm				
NDVI for Mizoram		Weekly cumulative rainfall: 140.0 mm North Last Region 13 Au 3418 Mildly dry condition occurs in all				
NDVI for Mizoram			5 5		curs in all	
		AB 1	districts of	Mizoram.		
		E A A				
		Contraction of the second				
		(A)				
		D =	Very			
		Agriculture viguar is moderate over some of the part region.	to North			
		1 / V	12		1 Page	

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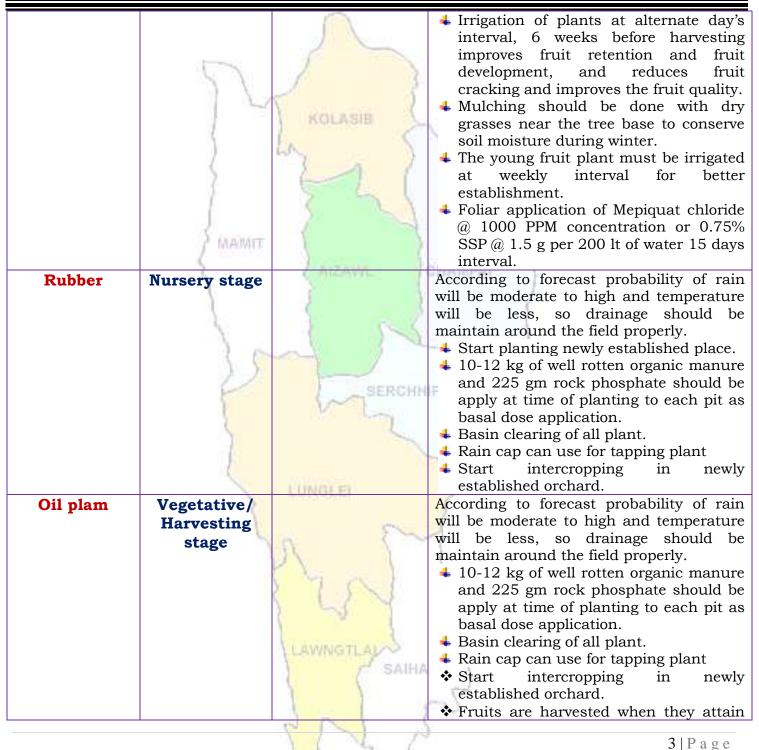


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	2 8	According to forecast probability of rain will			
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will			
AND ACID	stage	I NULHOLD 2	be less, so drainage should be maintain			
LIME	Stuge	LA.	around the field properly.			
	(3 1 1	4 By seeds: Seed should be sown in the			
STAR FRUIT	2		nursery immediately after extraction in			
	1	2 5 1	to a depth 1.5 to 2 cm extraction at			
		2. 50	10x5 cm distance. Seedlings are planted			
PLUM AND	Same		in secondary bed or polythene bags at 4-			
PEACH	/ MAMIT		6 leaf stages.			
	2	2 AIZAWL 1	Potting mixture of soil, sand and FYM or			
			compost should be in proper ratio.			
	1	2	Application of split dose of fertilizer 600:			
	10	Si call	200:100 (g/pt).			
			Only certified seed should be used.			
		~ /	+ Stagnation of water in beds should be			
	1)		avoided.			
	1	SERCH	I In the citrus belt, trees can be planted			
	1	V ta	at any time; however, pre-monsoon is			
	(the best time for transplant or gap			
			filling.			
	1		Standard-size trees should be spaced 12			
		LUNGLEI	to 25 feet apart and dwarf trees should			
	2	PROPERTY.	be set 6 to 10 feet apart. The exact distance depends on the variety. The			
			bigger the fruit, the farther the distance.			
	1	Gummosis,	Lamon butterfly- Spray monocrotophos			
		citrus Canker,	@0.04% @1.2 ml/lt of water.			
		Citrus greening,	Leaf minor - Spray confidor 0.05% (0.5			
		Dieback, Lamon	ml/lit of water) at each flush emergence.			
		butterfly and	Citrus Canker - Apply bacterimycin			
		leaf minor	@0.6 g/lt of water.			
PLANTATION CR						
COFFEE	Blooming	→ SAIH/	4 If day temperature and prolong dry			
	stage	(SAIN	spell occur it lead to Floral			
	scage		abnormalities like "Star Flower" in			
			Arabica and "Pink Flower" in Robusta.			
l		C N N				
2 P a g e						



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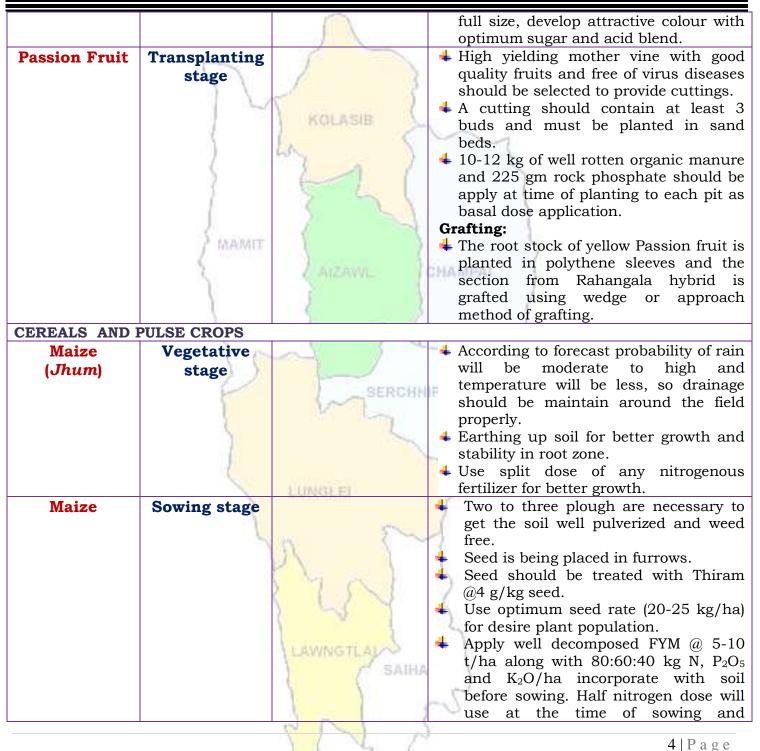






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			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination stage		According to forecast probability of rain will be moderate to high and
		1 2	temperature will be less, so drainage
	in the	V Commence of	should be maintain around the field
		KOLASIB	properly.
)	Lo. S	4 Earthing up soil for better growth and
	6	3 . 1	stability in root zone.
	2		Use split dose of any nitrogenous
	0	2 5	fertilizer for better growth.
Kharif pulses	Sowing stage		 Land preparation or sowing in pits Inorganic fertilizer like Urea, SSP and
(Green gram, Black gram and	MAMIT		MOP $@$ 20: 60: 40 kg.
Rajma)	2		 Use PSB 2g/kg for better germination.
VEGETABLE CR	OP	6 817 0140	• Ose i ob 25/ kg for better germination.
Ginger and	Sowing stage	1	4 Rhizome should be treated with Thiram
turmeric	3	Sec. and	@4 g/kg seed.
	1	1 55	4 Use optimum seed rate (50-60 kg/ha)
	2 6	~ 1	for desire plant population.
	(1)		Apply well decomposed FYM/ pig
	1	SERCHN	manure @ 10-20 t/ha along with
	1	W -	120:80:60 kg N, P_2O_5 and K_2O/ha
	5		incorporate with soil before sowing.
			Half nitrogen dose will use at the time
	1		of sowing and remaining 25% after one month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
us crop	Fruiting stage	Providences .	rain will be moderate and temperature
us crop	1	1996	will be less, so drainage should be
	5	n (~~	maintain around the field properly.
			Provide split doses of urea (70g/pt) at
		M Rel	the time of full blooming
			In large gardens apply carbaryl 0.2 per
		20 1	cent or malathion 0.15 per cent
		have marine and	suspension containing sugar or
		LAWNGTLAN	jeggery at 10 g/l at fortnightly intervals at flowering and fruit
		/ SAIHA	initiation against fruit fly and
		1 1	pumpkin beetle.
Chilli	Vegetative to		+ According to forecast probability of
		000	
			5 P a g e



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	flowering stage	KOLASIB Fruit fly	 rain will be moderate and temperature will be less, so drainage should be maintain around 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. 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 centering of the straw of t
Cowpea	Vegetative	AIZAWL	 containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. According to forecast probability of rain
compea	stage	SERCHH	 will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous
Okra	Vegetative stage	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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	LAWNGTLAN	 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	22/2	Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young
		1147	6 P a g e



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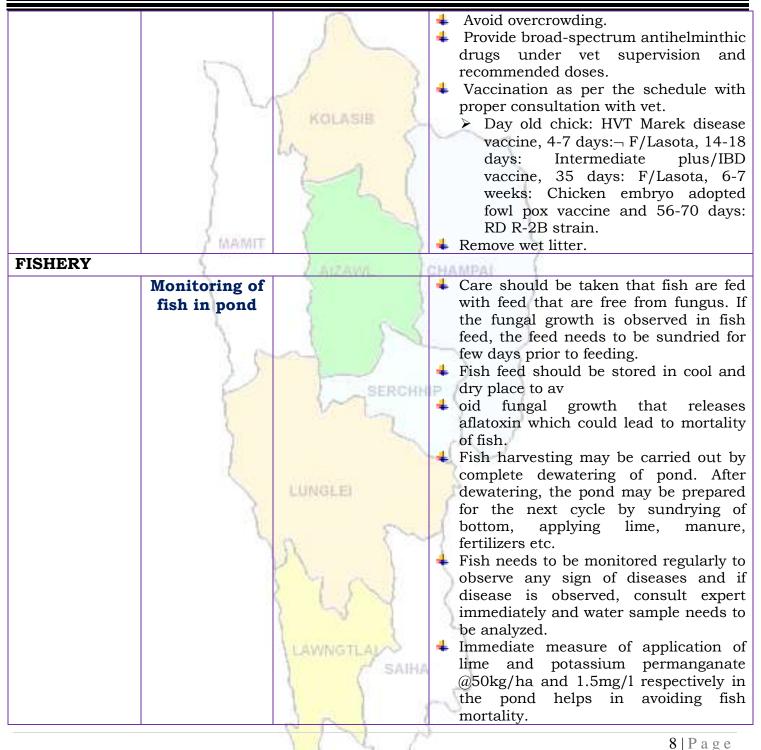


		Reproductive Respiratory Syndrome (PRRS).	 animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 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
		VIZ A	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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9 | 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)



District: Saiha

Bulletin No: - 800/2018/ Bulletin/Mizo	:0
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Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

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Max RH (%)	99	99	96	95	99		
Min RH (%)	64	53	52	54	74		
Wind Speed (KmpH)	4	2	4	4	4		
*Wind Direction	E	E	Е	E	S-E		
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , W	/esterly-W, Nort	h-westerly- N-W	•		
			t of deviation from				
Aizawl- 383.68mm	Champha	i- 239.49mm	Saiha- 109.52 r	nm Kolasib	- 352.38mm		
(341.8mm)		(250.30mm)	(87.2n		(380.9mm)		
Lawngtlai-321.51mm		-344.00mm	Mamit-449.48n		p-411.72mm		
(285.5mm)		(186.21mm)	(442.801		(259.8mm)		
Weather summary	of the past	20 th June –	24 th June, 20	018 chhunga	sik leh sa		
three day	S	dinhmun tur tlangpui					
Maximum Tem. (°C):2	23-27ºC	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1							
Maximum RH (%):91-		tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai					
Minimum RH (%):72-	000/						
Wind Direction: Sout	hoostor!	berin of 95-99% leh a hniam lai berin 52-74% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam					
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi da	arkar khatah 2-	4 km vela cha	kin chhaklam		
Wind speed: 4.09 km	· · · · · · · · · · · · · · · · · · ·	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed: 4.09 km	/nr	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 31.3 mm			0				
Kaiman: 51.5 mm		Weekly cumulative rainfall: 140.0mm					
			· · · · · · · · · · · · · · · · · · ·				
NDVI for Mizoram		North East Region	Mildly dr	y condition o	ccurs in all		
MDVI IOI MIZOIAIII		~	· · ·	/	ccuis in an		
		23	districts of	Mizoram.			
		CA B					
		of the	1 J 200				
		Agriculture signur is modulate over some of the	parts North				
		and the second	- (
		6 1	13		1 D ~ ~ ~		
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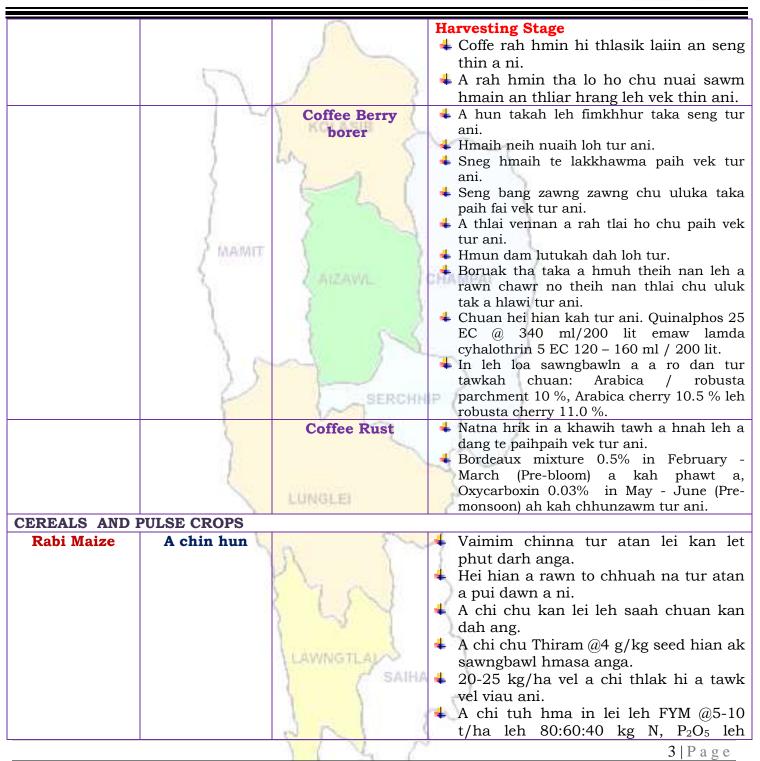


Main Crop/ Animal /Fisheries Stage Cultural practices/Pest/ Diseases Agricultural / Horticultural / ar husbandry advisories FRUITS CROPS A kui atanga a seng hun A kui atanga a seng hun + Thlasik laia thlai bul khoro lutt venan chuan hnim hnah hring t velah dahkhawm tur ani. BANANA A kui atanga a seng hun + Thlasik laia thlai bul khoro lutt venan chuan hnim hnah hring t velah dahkhawm tur ani. BANANA	ik tur lai bul hawlh hmuh n awm ui tha h nan a rah
/FisheriesDiseasesFRUITS CROPSKHASI MANDARIN AND ACID LIMEA kui atanga a seng hunBANANABANANABANANABANANAPLUM AND PEACHPLUM AND DEACHFluit flyFruit flyFruit flyFruit flyHuan zu takah chuan a par tan tir rah tan tirin chawhkar hnih chur heng te hian enkawl tur ani.Fruit flyBananaBANANA<	lai bul hawlh hmuh n awm ui tha h nan a rah
/FisheriesDiseasesFRUITS CROPSKHASI MANDARIN AND ACID LIMEA kui atanga a seng hunBANANABANANABANANABANANABANANAPLUM AND PEACHPLUM AND DEACHFluit flyFruit flyFruit flyFruit flyFruit flyKHASI ContentA kui atanga a seng hunA kui atanga a seng hunBANANA<	lai bul hawlh hmuh n awm ui tha h nan a rah
KHASI MANDARIN AND ACID LIME A kui atanga a seng hun Image: Comparison of the sengence of the sendence of the sengence of the sendence of the sengence of the sendence of the sengence of the sen	lai bul hawlh hmuh n awm ui tha h nan a rah
MANDARIN AND ACID LIMEa seng hunwennan chuan hnim hnah hring t velah dakkawm tur ani.BANANAThlai naupang deuah chuan o kar tin a tui pek thin tur ani.BANANALeia tha mamawh tawk a theihna turin a hmunhma a hnim te thlawhfai thin tur ani.STAR FRUITGummosis, citrus canker, citrus greening and DiebackFruit flyFruit flyHuan zau takah chuan a par tan tir rah tan tirin chawhkar hnih chhur heng te hian enkawl tur ani.	lai bul hawlh hmuh n awm ui tha h nan a rah
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Gummosis, citrus canker, citrus greening and DiebackTemperture hniam lutuk leh hnawn hian natna a a tam duh a . Soil bome laka vennan Bordeaux past hi thing a trangah te hnawih tur ani.Fruit flyHuan zau takah chuan a par tan tir rah tan tirin chawlhkar hnih chhur heng te hian enkawl tur ani: carba percent emaw malathion 0.15 p suspension containing sugar or jeg 10 g/l.	
canker, citrus greening and Diebackhian natna a a tam duh a . Soil bome laka vennan Bordeaux past hi thing a trangah te hnawih tur ani.Fruit fly+ Huan zau takah chuan a par tan tir rah tan tirin chawlhkar hnih chhur heng te hian enkawl tur ani: carba percent emaw malathion 0.15 m suspension containing sugar or jeg 10 g/l.	
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Fruit fly Huan zau takah chuan a par tan tir rah tan tirin chawlhkar hnih chhun heng te hian enkawl tur ani: carba percent emaw malathion 0.15 p suspension containing sugar or jeg 10 g/l.	Dur ion
rah tan tirin chawlhkar hnih chhur heng te hian enkawl tur ani: carba percent emaw malathion 0.15 p suspension containing sugar or jeg 10 g/l.	h leh a
heng te hian enkawl tur ani: carba percent emaw malathion 0.15 suspension containing sugar or jeg 10 g/l.	
percent emaw malathion 0.15 p suspension containing sugar or jeg 10 g/l.	
10 g/l.	
	gery at
PLANTATION CROP	
COFFEE All stages Nursery stage	
Thlai chi thlak hma in Azospirillu.	
Phosphobacterium a enkawl tur an A chi hi December – January ah	
zawl/rualrem 1.5 - 2.5 cm a in	
tlar mumal tak siam in chin tur a	
+ Chuan a chi chu lei tlem te a ch	
buhpawla khuh tur ani.	anni a
Image: State of the state	
LawNGTLACC nan niin a chhun loh nan zar hli	ka loh
SAIHA ani.	
↓ Ni 45 hnu velah a tiak thin a,ch	
bag ah an sawn chhuak leh thin a	ah tur
	ah tur u chu
2 P	ah tur u chu



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Soybean, pea,	All stage	Zero tillage	 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. A than a that theih nan nikhat danah tui pak thia tur ani.
lentil toria, breen gram and black gram cultivation in rice fellow	A PARTA	"FL	 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	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
		VIL C	4 P a g e



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		\cap	awm thin a , hei hi natna tlanglawn
			ber ani.
		f in	🔸 Thlai hna lam chi leh zikhlum lam
	8 1	1 3	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum)	64 J	tui pek thin tur ani.
-	5	1 1	👃 Thlai bul vawn hnawn nana thlai bula
	3	Constant La La La	hnim ring vawm khawm hi tui pek
	1		zawhah dah tur ani.
		/	+ Thlai chhina hmun (nursery) hi hnim a
	MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	6	A CONTRACTOR OF	tui liter 1 zelah pawlh a kah hi a tha
	1	C ANGANVIL (hle ani.
	8	Phytopthora	A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(Apron)/ kg seed hi a tha hle ani
			Hneh taka 1% Bordeaux chawhpawlh
	2 6	~ 1	emaw 2 g captan emaw 3 copper
))		oxychloride a tui liter 1 hi 10-15 DAS a
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	W L	4 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
		LINGLER	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish		1990	tui pek thin tur ani.
	5	m 7~	4 Tui pek hnuah thlai bul vawn hnawn
		1	na tur siam tur ani.
			∔ Zikhlum lam chi ah chuan sik leh
		2 1 5 3	📝 sa vangin a hnah ah thil dum a
		1 55 7	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAU	Thlai hna lam chi leh zikhlum lam
		- SAIHA	chi reng reng enkawl nan
		1 6	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
L	1	2010	
			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.
	MAMIT	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 atar 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 all 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.
		001	6 P a g e



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	24	\sum	4	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.
Pr	eventive	0-3 rd week	٠	Ranikhet Disease- an pian atanga n
n	ieasures	~ ~)		1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R_2B vaccine pek tur
	2			ani.
		4th	•	B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	MAMAT	4 Eth XXX - 1		coccidiostat
	2. 003550303	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWIL	GHA	AMPAI
	nitoring	5 1	+	Sangha te hi chaw a hmuar kai lo
•	ngha	Star I		chauh pek thin tur ani. Sangha chaw
enk	awl)			lo hmuar anih chuan pek hma in ni s
	2 0-	~ 1~	-	a phoro phawt tur ani.
			-	Sangha chaw hi a hmuar lohna turii
	5		P)	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
	at a			hian a kumleh a sangha khawinan a d
		LUNGLEI	0	buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu
	3		2	dang in dil buatsaih tur ani.
	U	5	4	Sangha te natna lak atangin an him en
			1	tih enfiah fo a tha a, natna hmuh anil
		No and	X	chuan mithiam te rawn vat a, diltu
	5	701	0	enfiah vat tur ani.
	1	56 4	4	A ranglam a chinai @50kg/ha lei
	5		1	tuisen @1.5mg/l diltui a hman hiar
	1	LAWNGTLAN		sangha natna avang a thi tur la
	10			atangin a veng thei.
	1	Salha	~	5)
			-	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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8 | Page



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

Guwahati)



District: Serchhip

Bulletin No: - 800/2018/ Bulletin/English

Period: 20 June – 24 June, 2018

Date of issue: 19th June, 2018

Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018		
Rainfall (mm)	55	43	35	29	10		
Max Temp (°C)	29	29	29	29	28		
Min Temp (°C)	12	12	13	13	13		
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy		
Max RH (%)	100	100	99	94	100		
Max KH (%) Min RH (%)	59	51	51	63	59		
Wind Speed (KmpH)	3	2	4	3	2		
*Wind Direction	S-E	S-E	E 4	E S	S S		
					5		
		Easterly- N-E, Easterly- N-E, Easterly-					
		Vesterly- <mark>S-W</mark> , We					
Aizawl- 383.68mm		31, 2018 (<i>Percent</i>) 239.49mm S	of deviation from aiha- 109.52 mm		352.38mm		
(341.8mm)		239.491111 S	(87.2mm		(380.9mm)		
Lawngtlai-321.51mm			lamit-449.48mm		0-411.72mm		
(285.5mm)		86.21mm)	(442.80mn	-	(259.8mm)		
Weather summary	of the past	Weather fored		20 th June, 20			
three day		June, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to heavy and very heavy					
Minimum Tem. (°C):1		rainfall during the next 5 days. The maximum and					
Maximum RH (%):89-		minimum temperatures for the next 5 days may range for					
Minimum RH (%):71-	• • • • • • • • • • • • • • • • • •	1 2 2 0					
Wind Direction: Sout	hoostor!	28-29°C and 12-13°C. Maximum relative humidity is expected in the range of 94-100% and minimum may from 51-63%.Wind direction would be southeasterly to easterly and southerly with the wind speed of 2-4 km per hour.					
Cloud cover: Mainly o	loudu						
Wind speed: 4.28 km	/hr						
-							
Rainfall: 54.3 mm		Mainly cloudy sky will prevail during the next five days.					
		Weekly cumulative rainfall: 172.0 mm					
NDVI for Mizoram		North East Region 29	Mildly dry	condition oc	curs in all		
		~ =-	districts of				
		-					
		The de la constant					
		200	i				
		AB E	сл.				
		Agriculture vigour is readerate over some of the	parts N				
		126	350				
		V/VL	12		1 Page		

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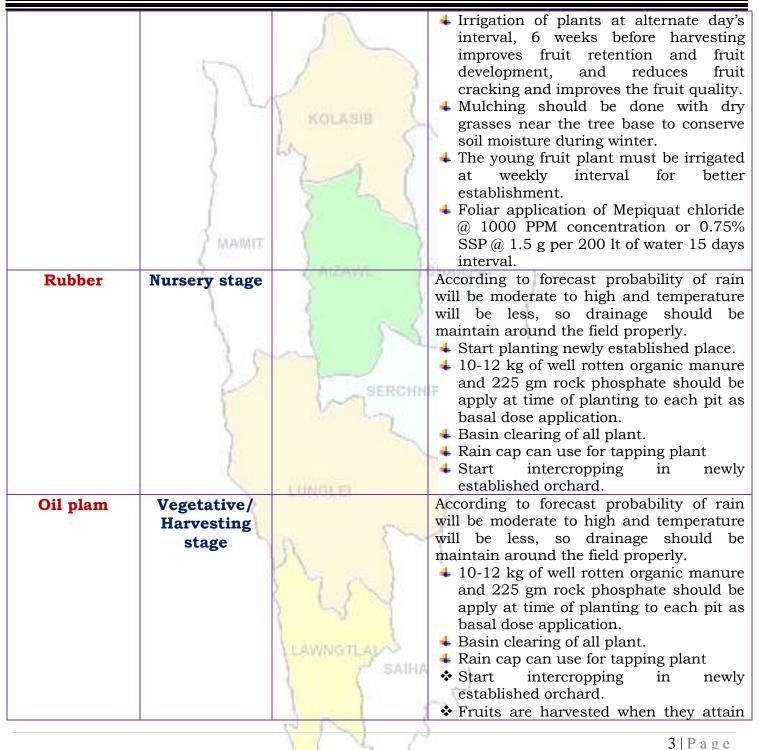
Mate O I	04	0-1/ 1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural / animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Nursery and	5	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate to high and temperature will
AND ACID	stage	1	be less, so drainage should be maintain
LIME	J	LA.	around the field properly.
	(1 1	By seeds: Seed should be sown in the
STAR FRUIT	1	the second second	nursery immediately after extraction in
	1	2 2 1	to a depth 1.5 to 2 cm extraction at
			10x5 cm distance. Seedlings are planted
PLUM AND	AMAINT		in secondary bed or polythene bags at 4-
PEACH	1	And the second s	6 leaf stages.
	30	A ATZAWAL	+ Potting mixture of soil, sand and FYM or
	1		compost should be in proper ratio.
		(Application of split dose of fertilizer 600:
		S CL	200:100 (g/pt).
	1		+ Only certified seed should be used.
	500		Stagnation of water in beds should be suggided
	12		avoided.
	1	SERCH	4 In the citrus belt, trees can be planted
	1	N Lan	at any time; however, pre-monsoon is the best time for transplant or gap
	S		filling.
	all a		Standard-size trees should be spaced 12
	-t		to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	2		distance depends on the variety. The
	1		bigger the fruit, the farther the distance.
	×.	Gummosis,	Lamon butterfly- Spray monocrotophos
		citrus Canker,	@0.04% $@1.2$ ml/lt of water.
		Citrus greening,	Leaf minor - Spray confidor 0.05% (0.5
		Dieback, Lamon	ml/lit of water) at each flush emergence.
		butterfly and	Citrus Canker - Apply bacterimycin
		leaf minor	@0.6 g/lt of water.
PLANTATION CR	OP		
COFFEE	Blooming	- SAIH/	4 If day temperature and prolong dry
	stage	((Shirt	spell occur it lead to Floral
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
II		C 1 1	
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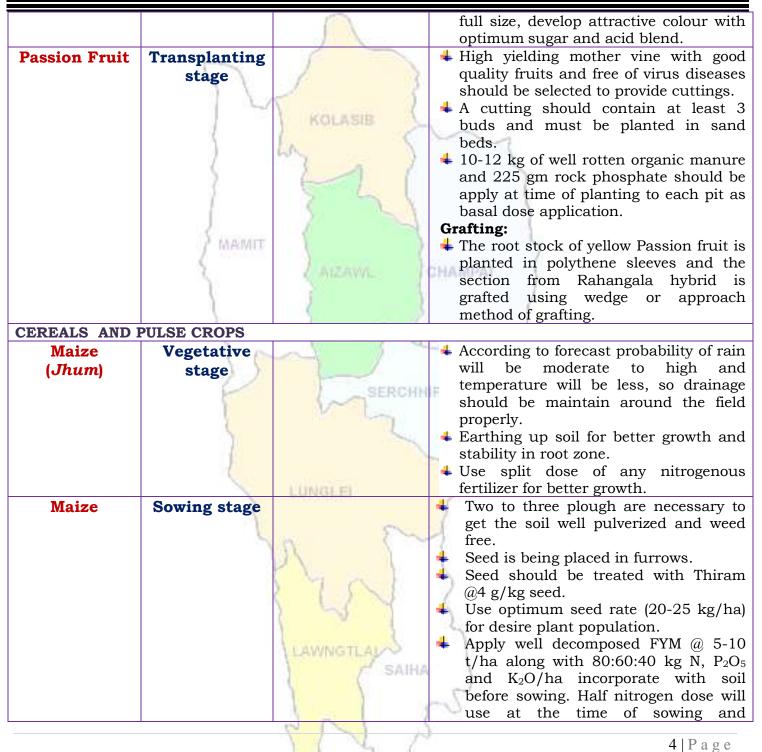






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			remaining 25% after one month and
			25% at flowering stage.
Jhum Rice	Germination		4 According to forecast probability of rain
	stage	1	will be moderate to high and
		1 2	temperature will be less, so drainage
	L-1	5	should be maintain around the field
		KOLASIE	properly.
	1	E. S	<b>4</b> Earthing up soil for better growth and
	1	wy 2 1	stability in root zone.
	>		<b>4</b> Use split dose of any nitrogenous
		5 6	fertilizer for better growth.
Kharif pulses	Sowing stage	5.54	Land preparation or sowing in pits
(Green gram,	Roman	1	Inorganic fertilizer like Urea, SSP and
Black gram and	/ MAMIT	X 2	MOP @ 20: 60: 40 kg.
Rajma)	S	Laizana I	Use PSB 2g/kg for better germination.
VEGETABLE CRO			
Ginger and	Sowing stage	1	<b>+</b> Rhizome should be treated with Thiram
turmeric	36	3° all	@4 g/kg seed.
	· ); · .		4 Use optimum seed rate (50-60 kg/ha)
	20		for desire plant population.
	1)		Apply well decomposed FYM/ pig
	8	SERCHN	manure @ 10-20 t/ha along with
	1	V~t_	120:80:60 kg N, $P_2O_5$ and $K_2O/ha$
	6		incorporate with soil before sowing. Half nitrogen dose will use at the time
	1		of sowing and remaining 25% after one
			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage	LUNGLEI	According to forecast probability of
	Fruiting stage	P M M C P F F M	rain will be moderate and temperature
us crop	1		will be less, so drainage should be
	5	n 2~~	maintain around the field properly.
		11	+ Provide split doses of urea (70g/pt) at
		Charles V	the time of full blooming.
		2 1 5 1	In large gardens apply carbaryl 0.2 per
		1 55 7	cent or malathion 0.15 per cent
			suspension containing sugar or
		LAWNGTLAN	jeggery at 10 g/l at fortnightly
		- SAIHA	intervals at flowering and fruit
		( ( 5411)4	initiation against fruit fly and
			pumpkin beetle.
Chilli	Vegetative to	1211	+ According to forecast probability of
		TV A	5   P a g e



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	flowering stage	KOLASIB Fruit fly	<ul> <li>rain will be moderate and temperature will be less, so drainage should be maintain around 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> <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	SERCHN	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around 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>
Colocasia	Sowing stage	LAWINGTLAN	<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	DARY		
Pig	All stages	22/1	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young</li> </ul>
			<b>6</b>   P a g e



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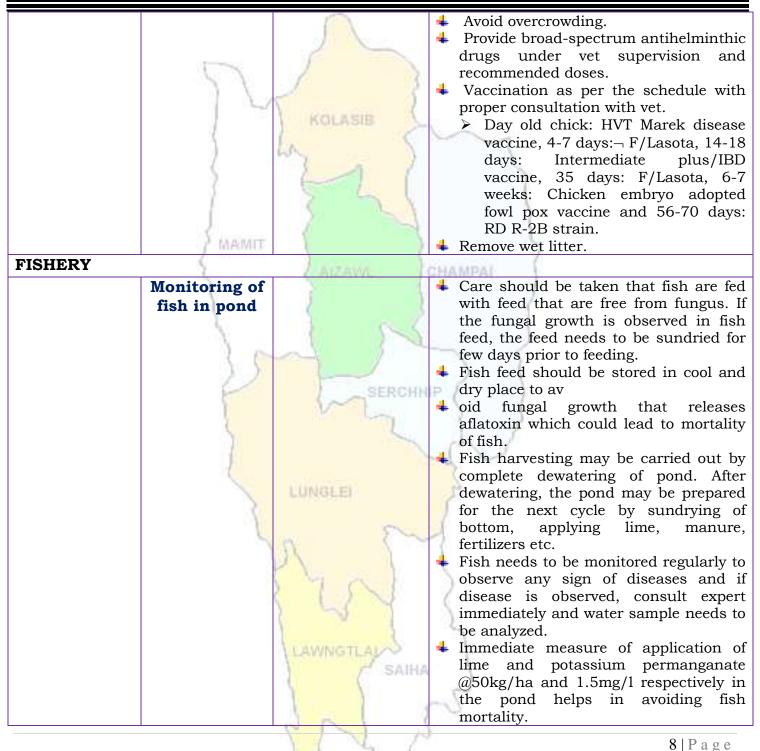


		Forcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group		<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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### **District:** Serchhip

<b>Bulletin No: -</b>	800/2018/	Bulletin/Mizo
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#### **Period:** 20 June – 24 June, 2018

#### Date of issue: 19th June, 2018

Parameters	20.06.2018	21.06.2018	22.06.2018	23.06.2018	24.06.2018
Rainfall (mm)	55	43	35	29	10
Max Temp (°C)	29	29	29	29	28
Min Temp (°C)	12	12	13	13	13
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	100	100	99	94	100
Min RH (%)	59	51	51	63	59
Wind Speed (KmpH)	3	2	4	3	2
*Wind Direction	S-E	S-E	E	E	S
Northe	rly- N, North-I	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark>	,
		Vesterly- <mark>S-W</mark> , We			
Status of Pre Ma Aizawl- 383.68mm (341.8mm) Lawngtlai-321.51mm (285.5mm) Weather summary of three day Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):89- Minimum RH (%):89- Minimum RH (%):71-3 Wind Direction: Sout Cloud cover: Mainly of Wind speed: 4.28 km	Champhai Lunglei- of the past s 27-29°C 9-22°C 97% 84% heasterly cloudy	<b>31, 2018 (Percent</b> <b>239.49mm</b> <b>(250.30mm)</b> <b>344.00mm</b> <b>186.21mm)</b> <b>20th June – 2</b> Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 94-100% niin. Thli hi dar awi zawngin a tl hian khawthiang	Saiha- 109.52 m (87.2m Mamit-449.48m (442.80m 24 th June, 20 dinhmun tu ng lo awm tur Khua a lum lai 12-13 ^o C ni tu leh a hniam la kar khatah 2 eh rin a ni. A tu	m Kolasi m) m Serchh m) <b>18 chhung</b> <b>r tlangpui</b> ah hian ruah i berin 28-29% ura beisei a r ai berin 51-63 4 km vela cha angpuiin tun	b- 352.38mm (380.9mm) hip-411.72mm (259.8mm) a sik leh sa tui tla miahlo C a ni ang a. A hi. RH san lai 1% ni tur a rin akin chhaklam
Rainfall: 54.3 mm		Weekly cumulative rainfall: 172.0mm			
NDVI for Mizoram		North East Region 24 fa	Moderately conditions	wet mildly o	lry/mildly wet
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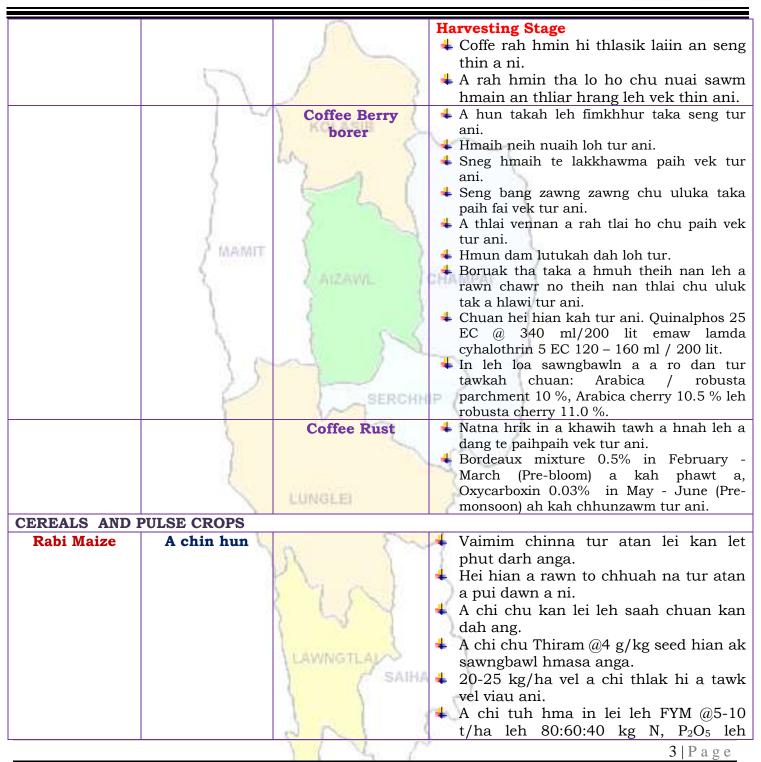


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			,
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah dahkhawm tur ani.
LIME	)	La l	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	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
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	3. C	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 him natus a stam duk a Sail hama natus
	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	
	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
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	2011/03/2011/1	Nursery stage
	1	1000	+ Thlai chi thlak hma in Azospirillum leh
		~ 5~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		The set V	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
			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	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
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			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	<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	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	LAWNGTLAU	<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>
		612 1	4   P a g e



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ICHK			
			awm thin a , hei hi natna tlanglawn ber ani.
			<b>4</b> Thlai hna lam chi leh zikhlum lam
	2.1	1 5	chi reng reng enkawl nan Mancozeb
	1	5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum	1	wy ( )	tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula
			hnim ring vawm khawm hi tui pek
	1	5 5	zawhah dah tur ani.
	1	5 54	<ul> <li>Thlai chhina hmun (nursery) hi hnim a</li> </ul>
	Barrier	1	to loh nan Pendimethalin @ 3.5ml hi
	J' MAMIT	1	tui liter 1 zelah pawlh a kah hi a tha
	8	LAIZAWAL I	hle ani.
		Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
		blight	emaw Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed hi a tha hle ani
			Hneh taka 1% Bordeaux chawhpawlh
	1600		emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
	12	STROUGH S	pek hi a tha hle ani.
French bean	Sowing stage	SERONN	4 Tui pek a hnihnah hringa khuh tur ani
			a. than a that theih nan tui pek hma
	3		in lei rin pan hmasak tur ani.
			4 A than duna theih nan leh hnim to loh
	12	0.000000000	na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		• A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn
		1.1	na tur siam tur ani.
			<b>4</b> Zikhlum lam chi ah chuan sik leh
		127 6 1	sa vangin a hnah ah thil dum a
		1 LAY	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLANS	<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		- SAIHA	
		1	6 6
			Mancozeb @ 2gm ah tui leter 1
			6 6



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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>
	AMAMIT	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	<ul> <li>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.</li> </ul>
	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



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	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lian 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 tur ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga n
	measures		1-6 ah F1 vaccine pek tur ani a, chuar
	measures	any ()	a puitlingh chuan R ₂ B vaccine pek tu
	>		ani.
	)	SE	B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium of
	Summer		coccidiostat
	[ MADALI	4-5 th Weeks	+ Calcium tonic fortified with $B_{12}$
FISHERY	1	AIZAWL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai la 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 anih 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 hiar sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
		8 N 1	710.000
			7   P a g e

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8 | Page