

ICAR RESEARCH COMPLEX FOR NEH REGION

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



District: Aizawl

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

Date of issue: 30th March, 2018

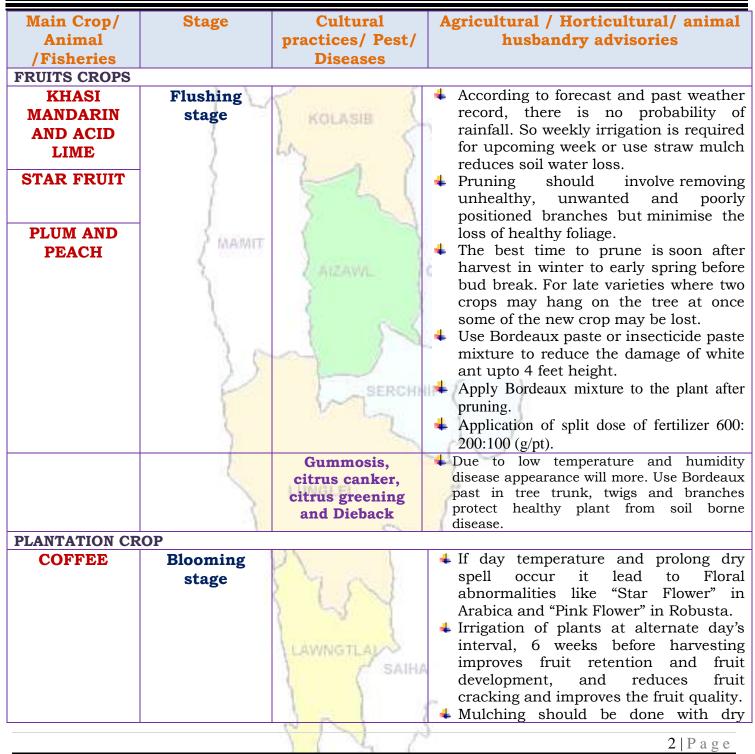
		\mathbf{F}	4			
Parameters	31.03.2018		02.04.2018	03.04.2018	04.04.2018	
Rainfall (mm)	4	5	5	9	0	
Max Temp (°C)	30	30	30	30	31	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clear	· Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	82	80	81	87	82	
Min RH (%)	21	17	28	27	23	
Wind Speed (KmpH)	4	3	2	3	3	
*Wind Direction	S-E	E	E	E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon	soon- February	y 1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)	
Aizawl- 5.40mm		lai- 3.60mm	Saiha- 0.00 m		b- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		<mark>ip-4.10mm</mark>	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary		Weather for	ecast valid fro	om 31 st March,	2018 То	
three day	s	04 th April, 2018.				
Maximum Tem. (°C):2	26-29°C	There are chances of light rainfall during the next 4 days.				
Minimum Tem. (°C):	15-16ºC	The maximum and minimum temperatures for the next 5				
Maximum RH (%):72-		days may range for 30-31°C and 14°C. Maximum relative				
Minimum RH (%):54-		humidity is expected in the range of 80-87% and minimum				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from 17-28%. Wind direction would be southeasterly				
Cloud cover: Partially		to easterly and southeasterly with the wind speed of 2-4				
Wind speed: 2-3 km/	hr	km per hour. Partially clear sky will prevail during the next				
		five days.				
Rainfall: 12.8 mm		nve days.				
		Weeld	u oumulativo	rainfall: 23.0 1	m m	
NDVI for Mizoram				condition oc	curs in all	
			districts of	Mizoram.		
		A A				
		88 B	1 mm			
		Agriculture signer is moderate over some of the per	ts Ranth			
		1 9 6	1.0			
		VIN	M		1 Page	
			1		11480	

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Rubber Vegetative stage Vegetative/ Harvesting stage Image: Construct on the stage of
StagestageColl plamVegetative/ Harvesting stageOil plamVegetative/ Harvesting stageOil plamVegetative/ Harvesting stageOil plamVegetative/ Harvesting stageOil plamVegetative/ Harvesting
Harvesting stageApplication of dry leaf mulch or paddy h to a thickness of about 8 cm. in the ba keeps down the weed growth and decrea the number of irrigations and also impro fruit quality.* Application of split dose of fertilizer 6
 Apply Bordeaux mixture to the plant a pruning. Fruits are harvested when they attain size, develop attractive colour with optim sugar and acid blend.
CEREALS AND PULSE CROPS
Maize (Jhum)Sowing stage& Remove all weed plant from selected place.(Jhum)Keep the plant, leaves and wood dry.
3 P a g



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is
		RIV P	4 P a g e



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	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidi
5	23	 Low temperature and high human influence the population of onion trips Apply any systemic insecticide 1 ml/lt of water.
Flowering to fruiting stage	Poly house	 Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits.
]	24	 Provide irrigation if water is require. Apply any systemic insecticide reduce damage of chilli thrips.
Fruiting to flowering stage	AIZAWL	 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25		 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systemat
}	1	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Vegetative to flowering stage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss. Harvest all mature fruits.
	1 WY	 Apply split dose of nitrogenou fertilizer to the plant. Mature fruit should be harvested and
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage Image: Constraint of flowering stage Vegetative to flowering stage Image: Constraint of flowering stage Vegetative to flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage Image: Constraint of flowering stage



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Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Jung -		4 Open the furrow with the help of
			spade, harvest all mature tubers.
	21	2 2	4 Discard all mother tubers from
		N	harvested potato tubers.
		KOLASIB	↓ Keep 7 -10 days for drying or reduce
	((. S	the moisture level in shed dry.
	/	~~~)	↓ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4 Plough the field properly, at least 2-3
-		State La	times.
		S. 24	4 Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAINIT		Sow 2-3 seed per whole.
	6	A second	↓ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Concarate:	Plough the field with the help of spade.
	00	5 1	Sow 2 seed 45 X 45 cm spacing.
	Sec	5.	4 Before sowing seed provide one or two
	1	1 155	irrigation.
) 6		♣ Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	NDARY		· · · · · · · · · · · · · · · · · · ·
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
		ward and a second secon	kept in alleviated area and dry bedding
	2		(straw) to be provided to young
	0.0		animals.
	16		4 1 st injection at 6 months of age and
			2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	5		vet supervision against FMD.
		5	k Reduce concentrate diet up to 5%.
	1	$n \sim$	Provide adequate potable water.
			🖊 In present weather conditions
		M AL	vaccinate against swine fever (Vaccines
		2 1 3 3	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	S
		Respiratory	
		Syndrome (PRRS).	
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		N N I	

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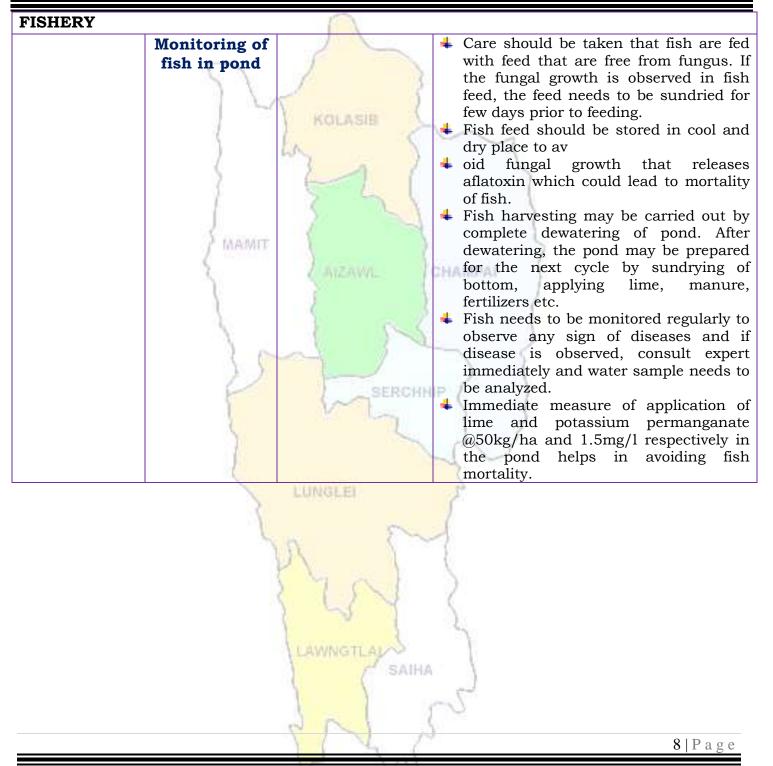


Cattle	All age group	0	4 In present weather conditions, special
•••••	8- 8P		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
		1.	feed
	)	way )	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	C Disso is		<ul> <li>Separate sick animals.</li> </ul>
	10	ATZAWIL	4 The animal should be washed with
			lukewarm water added with little
		< S	potash (KMnO4) or neem leaves.
	S	1 55	Long hair near the
		V 3 M	udder/stomach/back legs should be
	140 1		teamed short.
Poultry	All age group	SERGIN	Provide preventive dose of anti-coccidial
	0.01	SERCHH	drugs to poultry.
	1		Proper ventilation of shed.
	1		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3	ere (Alexand)	<b>+</b> Provide broad-spectrum antihelminthic
		0	drugs under vet supervision and
	5	n (~	recommended doses.
		1	+ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 1	→ Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
		N	days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		( ( 5411)4	Iowi pox vaccine and 50-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		C N	710
			7   P a g e



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LAWNGTLA SAIHA

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#### **District: Aizawl**

Bulletin	<b>No:</b> -	780/2018	8/ Bull	etin/Mizo
			S. N.	0

#### Period: 31 March - 04 April, 2018

#### Date of issue: 30th March, 2018

			41				
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018		
Rainfall (mm)	4	5	5	9	0		
Max Temp (°C)	30	30	30	30	31		
Min Temp (°C)	14	14	14	14	14		
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	82	80	81	87	82		
Min RH (%)	21	17	28	27	23		
Wind Speed (KmpH)	4	3	2	3	3		
*Wind Direction	S-E	E	E	E	S-E		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Post Mon	soon- February	1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)		
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	<b>o-</b> 7.60mm		
(20.78mm)		(13.99mm)	(18.29r	nm)	(33.14mm)		
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm		
(19.52mm)		(23.30mm)	(1 <b>7.8</b> 3n		(14.39mm)		
Weather summary	of the past	31 st March –	04 th April, 20	018 chhunga	sik leh sa		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2	06.200C	Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):		0					
Maximum RH (%):72-		tura beisei a ni. Khua a lum lai berin 30-31ºC a ni ang a. A					
Minimum RH (%):54-		vawh lai ber in 14°C ni tura beisei a ni. RH san lai berin					
Wind Direction: Sout	h a a st a st les	80-87% leh a hniam lai berin 17-28% ni tur a rin niin. Thli					
Cloud cover: Partially		hi darkar khatah 2-4 km vela chakin chhaklam awi					
Wind speed: 2-3 km/		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed. 2-0 kin/		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 12.8 mm							
		Weekl	y cumulative	rainfall: 23.0r	nm		
NDVI for Mizoram		North East Region 24 Jun	Mildly dry	condition oc	curs in all		
1.2 VI IOI III20IuIII		~~ =	districts of				
		5		wiizorain.			
		COS A	-				
		A H					
		• Å ==	lars.				
		Agriculture signer is moderate over some of the per- region.	ta Barth				
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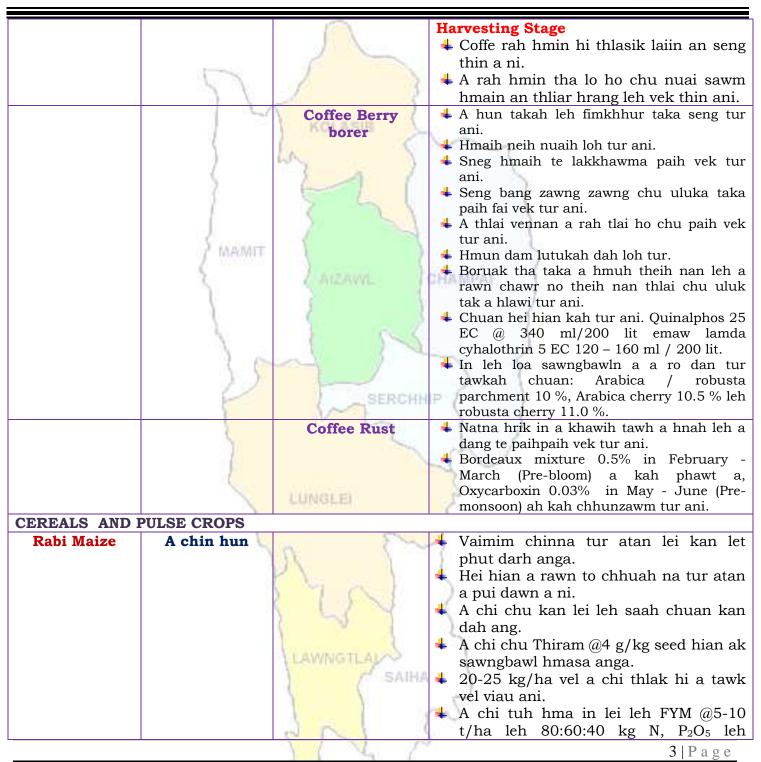


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			,
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah 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.
		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	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	SERONA	4 Tui pek a hnihnah hringa khuh tur ani
			a. than a that theih nan tui pek hma
	2		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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	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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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /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 1 1	710.000
			7   P a g e

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



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Champhai

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March - 04 April, 2018

#### Date of issue: 30th March, 2018

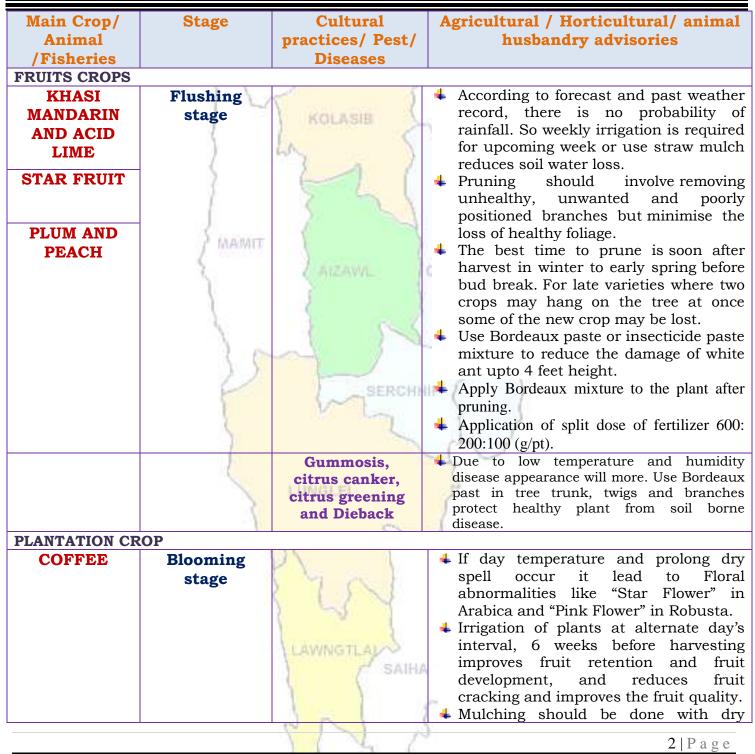
Parameters         31.03.2018         01.04.2018         02.04.2018         03.04.2018         04.04.2018           Rainfall (mm)         0         0         0         4         0           Max Temp (°C)         30         30         30         30         31           Min Temp (°C)         14         14         14         14           Cloud Coverage         Partially clear         Partially clear         Partially clear         Mainly cloudy         Partially clear           Max RH (%)         90         85         71         82         90	31.	ters
Max Temp (°C)         30         30         30         30         30         31           Min Temp (°C)         14         14         14         14         14           Cloud Coverage         Partially clear         Partially clear         Partially clear         Mainly cloudy         Partially clear           Max RH (%)         90         85         71         82         90		
Min Temp (°C)14141414Cloud CoveragePartially clearPartially clearPartially clearMainly cloudyPartially clearMax RH (%)9085718290		
Cloud CoveragePartially clearPartially clearPartially clearMainly cloudyPartially clearMax RH (%)9085718290		
Max RH (%) 90 85 71 82 90		
	Part	overage
		I (%)
Min RH (%) 18 14 19 21 21		[ <b>(%)</b>
Wind Speed (KmpH)         4         4         3         3         3		peed (KmpH)
*Wind Direction S-E E E E E		Direction
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 Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis)		
Aizawl- 5.40mm Champhai- 3.60mm Saiha- 0.00 mm Kolasib- 7.60mm		
(20.78mm) (13.99mm) (18.29mm) (33.14mm)		
Lawngtlai-4.00mm Lunglei-4.30mm Mamit-8.10mm Serchhip-4.10mm		
(19.52mm) (23.30mm) (17.83mm) (14.39mm)		· /
Weather summary of the pastWeather forecast valid from 31stMarch, 2018 To		
three days 04 th April, 2018.		v
Maximum Tem. (°C):27-30°C There is a chance of light rainfall during the next 1 day.		
Minimum Tem. (°C): 16-18°C The maximum and minimum temperatures for the next 5		
Maximum RH (%):73-95% days may range for 30-31°C and 14°C. Maximum relative		
Minimum RH (%):51-68% humidity is expected in the range of 71-90% and minimum		
Wind Direction: Southeasterly may from 14-21% Wind direction would be southeasterly		
Cloud cover: Partially clear to controly with the wind speed of 2.4 km per hour		
Wind speed: 2-3 km/hr Partially clear sky will prevail during the next five days.	hr	peed: 2-3 km/
Rainfall: 15.8 mm Weekly cumulative rainfall: 04.0 mm		l: 15.8 mm
weekiy cumulative rainjati: 04.0 mm		
NDVI for Minorom Mildly dry condition conjugation of		
Mildly dry condition occurs in an		or Mizoram
districts of Mizoram.		
Agenuative region to moderate over parts that		
1   P a g e		

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ICAR			
	7	KOLASIB	<ul> <li>grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Rubber	Vegetative stage	AIZAWA	<ul> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
Oil plam	Vegetative/ Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND I Maize	Sowing stage	L'ENNIGITAY -	<b>4</b> Remove all weed plant from the
(Jhum)	Sowing Stage	SAIHA	<ul> <li>Keep the plant, leaves and wood for dry.</li> </ul>
		6 N 3	<b>2</b>   D o c o
			3   P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be</li> </ul>
		VIZ A	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
	52	2 3	<ul> <li>Apply any systemic insecticide 1.</li> <li>ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	Intercultural operations should be dom regularly to keep the crop free from weeds and aeration of the root system.
	1	24	<ul> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide treduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss.
	25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will man in dry weather. Apply any systemat</li> </ul>
	}	1	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.</li> </ul>
		No 1	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
		SAIHA	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and fru initiation.
		PN S	5   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato	Harvesting	0	4 If the leaves and plant became dry i
	stage		means plant ready for harvesting.
	senge		4 Open the furrow with the help o
			spade, harvest all mature tubers.
	2.1	1 2	4 Discard all mother tubers from
		N	harvested potato tubers.
		KOLASIB	↓ Keep 7 -10 days for drying or reduce
	6	(	the moisture level in shed dry.
	)	60 y	Keep 25% seed for next season sowing
Cowpea	Sowing stage		4 Plough the field properly, at least 2-3
compea	Sowing Stage	Contraction of the second	times.
	1		4 Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAMIT	1	Sow 2-3 seed per whole.
	0.0000000		Spacing should be 30 X 20 cm.
Okra	Sowing stage	CATERWIL !!	<ul> <li>Plough the field with the help of spade</li> </ul>
Omu	Sowing Stage		Sow 2 seed 45 X 45 cm spacing.
		6 3	<ul> <li>Before sowing seed provide one or two</li> </ul>
		1 66	irrigation.
	1 1 2		<ul> <li>Provide fertilizer @ 120: 60: 60 Kg/ha</li> </ul>
ANIMAL HUSBI	ENDARY		
Pig	All stages		4 Animals must keep in dry place or
8	in stuges	SERCHN	kept in alleviated area and dry bedding
			(straw) to be provided to young
	5		animals.
	1		4 1 st injection at 6 months of age and
	1		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	2	New York Street and	vet supervision against FMD.
	144	1800	Reduce concentrate diet up to 5%.
	5	m 8~	Provide adequate potable water.
		16	4 In present weather conditions
			vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	3 F F F F F F F F F F F F F F F F F F F
		Respiratory	
		Syndrome (PRRS).	. V
	1	C SAINA	
			The second se
		1 5 1	
		C N	
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

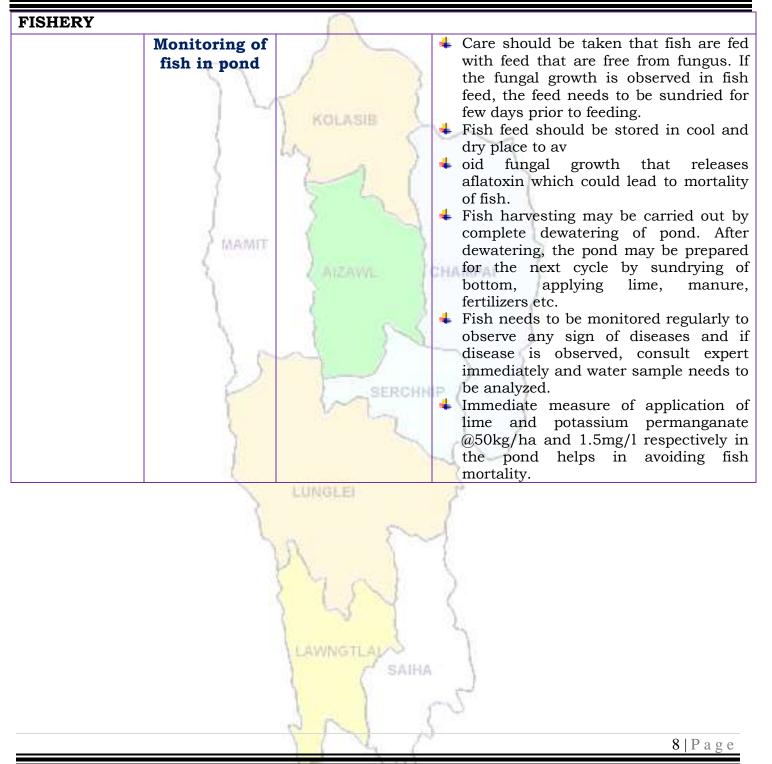


Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		7	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		feed
	)	way a	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	1	C A A	injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	L marine	3	4 Separate sick animals.
	1	ARZAWIL	4 The animal should be washed with
		6 V	lukewarm water added with little
	S	5.	potash (KMnO4) or neem leaves.
	1	1 1	4 Long hair near the
	0 6		udder/stomach/back legs should be
	1 A C 5		teamed short.
Poultry	All age group	SERCHH	Provide preventive dose of anti-coccidial
		ward and a second secon	drugs to poultry.
			Proper ventilation of shed.
	30		+ Provide glucose/electral along with
	08		vitamin supplements (@5- 6ml/100
	10	National-CO	birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		<ul> <li>Provide broad-spectrum antihelminthic</li> </ul>
		55	drugs under vet supervision and
		$\gamma \sim$	recommended doses.
			+ Vaccination as per the schedule with
		1 7 6 1	proper consultation with vet.
			> Day old chick: HVT Marek disease
		1 -2 1	vaccine, 4-7 days: F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days:
		1 1	RD R-2B strain.
			<ul> <li>4 Remove wet litter.</li> </ul>
	1	201	
		VIV C	7   P a g e



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



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Champhai

Bulletin	<b>No:</b> -	780	/2018/	<b>Bulletin</b>	/Mizo
					10

#### Period: 31 March - 04 April, 2018

#### Date of issue: 30th March, 2018

		10	1.4				
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018		
Rainfall (mm)	0	0	0	4	0		
Max Temp (°C)	30	30	30	30	31		
Min Temp (°C)	14	14	14	14	14		
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	90	85	71	82	90		
Min RH (%)	18	14	19	21	21		
Wind Speed (KmpH)	4	4	3	3	3		
*Wind Direction	S-E	E	E	E	E		
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , W	Vesterly-W, North	n-westerly- N-W.			
Status of Post Mon							
Aizawl- 5.40mm	Champh	1ai- 3.60mm	Saiha- 0.00 m	<mark>m Kolasi</mark> l	b- 7.60mm		
(20.78mm)		(13.99mm)	(18.291	· · · · · · · · · · · · · · · · · · ·	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		<mark>ip-4.10mm</mark>		
(19.52mm)		(23.30mm)	(17.83n	· · · · · · · · · · · · · · · · · · ·	(14.39mm)		
Weather summary of	of the past	31 st March -	• 04 th April, 20	018 chhunga	sik leh sa		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2	27-30°C	Tun ni 1 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):		tura beisei a ni. Khua a lum lai berin $30-31^{\circ}$ C a ni ang a.					
Maximum RH (%):73-		A vawh lai ber in 14°C ni tura beisei a ni. RH san lai berin					
Minimum RH (%):51-0		71-90% leh a hniam lai berin 14-21% ni tur a rin niin. Thli					
Wind Direction: Sout							
Cloud cover: Partially	· · · · · · · · · · · · · · · · · · ·	hi darkar khatah 3-4 km vela chakin chhaklam awi					
Wind speed: 2-3 km/		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 15.8 mm							
		Weel	cly cumulative	rainfall: 04.01	nm		
NDVI for Mizoram		North East Region	Mildly dry	condition of	curs in all		
		~	districts of				
		5000					
		man al	44 44 1 44 44 1 46 44 1				
		ALC I	10. au				
		all .					
		Anticulture status is nonlineate inen	(the sector				
		regar.					
		P N	2		1   D		
			6		1   P a g e		

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

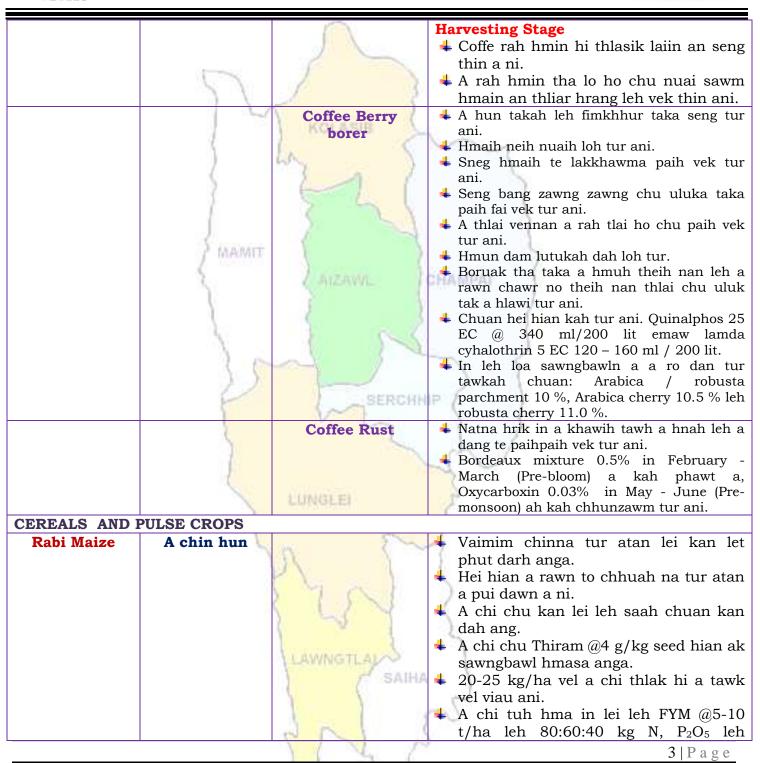


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS		•	l			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.			
LIME	)	La N	4 Thlai naupang deuah chuan chawlh			
	(	3 0 1	kar tin a tui pek thin tur ani.			
BANANA	1		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 menunit	5	taka pek hian a rah tla tur chelh nan			
DI LIM AND	3.0	Z AIZAWIL I	leh a rah than that nan te leh a rah			
PLUM AND			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			
		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	FILICITY 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			
			10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages	energy second l	Nursery stage			
		C	+ Thlai chi thlak hma in Azospirillum leh			
	5	n (~	Phosphobacterium a enkawl tur ani.			
	j j		A chi hi December – January ah hmun			
		1 march	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.			
			4 Chuan a chi chu lei tlem te a chhilh a			
		1 -2 1	buhpawla khuh tur ani.			
			<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.			
		1 1	Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
	1	N N I				
		VIV A	2   P a g e			
211450						



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



#### ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicumNursery stagePoly houseThai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly house				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thlai bul yawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.Thia 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 blightA 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 stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stage <th></th> <th>5</th> <th>KOLASIB</th> <th><ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul></th>		5	KOLASIB	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
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+ Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel 			AIZAWAL	<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>
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.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>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>
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	LUNGLEI	<ul> <li>a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
		Sowing stage		<ul> <li>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</li> </ul>
			P 1 1	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	5		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	211	a puitlingh chuan $R_2B$ vaccine pek tur ani.
	1	5 6	B complex with antibodies
		4 th weeks	<b>4 Coccidiosis</b> - Amprolium or
	Summer		coccidiostat
	Theorem 1	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	30	( AIZAWIL )	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 dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
		201	0 ⁰⁷⁸
		1 4 6	7   P a g e



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

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



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District: Kolasib**

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

#### Date of issue: 30th March, 2018

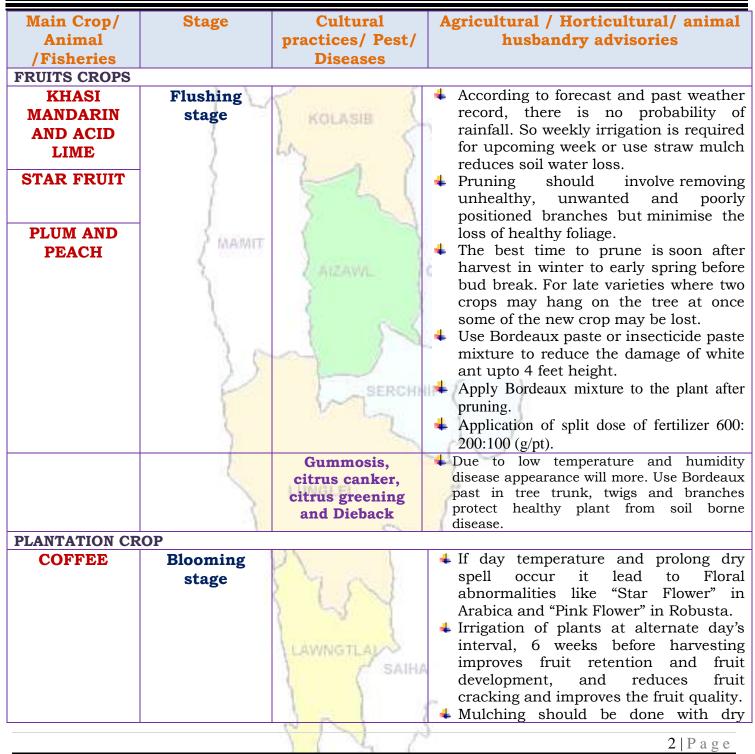
		R	1				
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018		
Rainfall (mm)	4	3	3	0	0		
Max Temp (°C)	31	31	30	31	31		
Min Temp (°C)	17	17	17	18	18		
Cloud Coverage	Partially clear	· Partially clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	88	91	81	80	84		
Min RH (%)	20	17	30	26	22		
Wind Speed (KmpH)	3	3	2	3	3		
*Wind Direction	S-E	E	S	S-E	S-E		
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
Status of Post Mon							
Aizawl- 5.40mm	-	lai- 3.60mm	Saiha- 0.00 m		<b>-</b> 7.60mm		
(20.78mm)		(13.99mm)	(18.29r	· · · · · · · · · · · · · · · · · · ·	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)		
Weather summary	-	Weather forecast valid from 31 st March, 2018 To					
three day	S	04 th April, 2018.					
Maximum Tem. (°C):2	28-30°C	There are chances of light rainfall during the next 3 days.					
Minimum Tem. (°C):1	6-20°C	The maximum and minimum temperatures for the next 5					
Maximum RH (%):85-		days may range for 31°C and 17-18°C. Maximum relative					
Minimum RH (%):59-		humidity is expected in the range of 80-91% and minimum					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from 17-30%. Wind direction would be southeasterly					
<b>Cloud cover: Partially</b>		to easterly to southerly and southeasterly with the wind					
Wind speed: 2-3 km/	hr	speed of 2-3 km per hour. Partially clear sky will prevail					
		during the next five days.					
Rainfall: 16.8 mm		uuring the next live days.					
		Weekly even ulative agin falls 10.0 mm					
		Weekly cumulative rainfall: 10.0 mm					
NDVI for Mizoram		214		condition oc	curs in all		
		districts of Mizoram.					
		M.	1 cm				
		Agriculture signur is moderate over some of the per	ta Narth				
		A CA					
		VIV	19		1   Page		
		-	1		I I age		

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ICAR RESEARCH COMPLEX FOR NEH REGION







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Rubber       Vegetative stage       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Oil plam       Vegetative/ Harvesting stage       Image and the field to say from fire.         Image and the plants. Store dried leaves the pit and after 4 months it can use manute.       Image and the plants. Store dried leaves the number of irrigations and also impro from fire.         Image and the plant
StagestageColl plamVegetative/ Harvesting stageOil plamVegetative/ Harvesting stage <tr< th=""></tr<>
Harvesting stageApplication of dry leaf mulch or paddy h to a thickness of about 8 cm. in the ba keeps down the weed growth and decrea the number of irrigations and also impro fruit quality.* Application of split dose of fertilizer 6
<ul> <li>Apply Bordeaux mixture to the plant a pruning.</li> <li>Fruits are harvested when they attain size, develop attractive colour with optim sugar and acid blend.</li> </ul>
CEREALS AND PULSE CROPS
Maize (Jhum)       Sowing stage       Image: A constraint of the selected place.         (Jhum)       Keep the plant, leaves and wood dry.
3   P a g



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb.</li> <li>Remaining quantity of nitrogen is</li> </ul>
		RIZ P	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidi
5	23	<ul> <li>Low temperature and high human influence the population of onion trips</li> <li>Apply any systemic insecticide 1 ml/lt of water.</li> </ul>
Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> </ul>
]	24	<ul> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.</li> </ul>
25		<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will ma in dry weather. Apply any systemat</li> </ul>
}	1	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Vegetative to flowering stage		<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> </ul>
	1 WY	<ul> <li>Apply split dose of nitrogenou</li> <li>fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage       Image: Constraint of flowering stage         Vegetative to flowering stage       Image: Constraint of flowering stage         Vegetative to flowering stage       Image: Constraint of flowering stage         Image: Constraint of flowering stage       Image: Constraint of flowering stage         Image: Constraint of flowering stage       Image: Constraint of flowering stage         Image: Constraint of flowering stage       Image: Constraint of flowering stage         Image: Constraint of flowering stage       Image: Constraint of flowering stage



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Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Jung -		4 Open the furrow with the help of
			spade, harvest all mature tubers.
	21	2 2	<b>4</b> Discard all mother tubers from
		N	harvested potato tubers.
		KOLASIB	↓ Keep 7 -10 days for drying or reduce
	(	(. S	the moisture level in shed dry.
	/	~~~ )	↓ Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4 Plough the field properly, at least 2-3
<b>-</b>		State La	times.
		S. 24	<b>4</b> Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAINIT		Sow 2-3 seed per whole.
	6	A company of the	↓ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Concarate:	Plough the field with the help of spade.
		5 1	Sow 2 seed 45 X 45 cm spacing.
	Sec.	5.	4 Before sowing seed provide one or two
	1	1 155	irrigation.
	) 6	~ ~ ~ ~ ~	♣ Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	NDARY		· · · · · · · · · · · · · · · · · · ·
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
		ward and a second secon	kept in alleviated area and dry bedding
	2		(straw) to be provided to young
	0.0		animals.
	16		4 1 st injection at 6 months of age and
			2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	5		vet supervision against FMD.
		5	<b>k</b> Reduce concentrate diet up to 5%.
	1	$n \sim$	Provide adequate potable water.
			🖊 In present weather conditions
		M AL	vaccinate against swine fever (Vaccines
		2 1 3 3	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	S
		Respiratory	
		Syndrome (PRRS).	
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		N N I	

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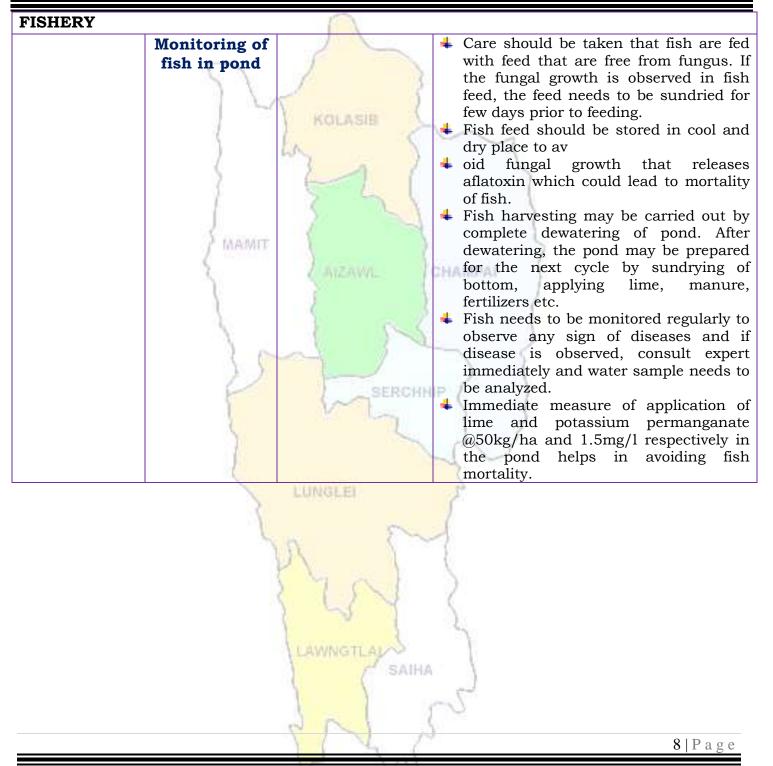


Cattle	All age group	0	4 In present weather conditions, special
•••••	8- 8P		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
		1.	feed
)	way)	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	C Disso is		 Separate sick animals.
	10	ATZAWIL	4 The animal should be washed with
			lukewarm water added with little
		< S	potash (KMnO4) or neem leaves.
	S	1 55	Long hair near the
		V 3 M	udder/stomach/back legs should be
	140 1		teamed short.
Poultry	All age group	SERGIN	Provide preventive dose of anti-coccidial
	0.01	SERCHH	drugs to poultry.
	1		Proper ventilation of shed.
	20		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3	ere (Alexand)	+ Provide broad-spectrum antihelminthic
		0	drugs under vet supervision and
	5	n (~	recommended doses.
		1	+ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 1	→ Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
		N	days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		((5411)4	Iowi pox vaccine and 50-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		C N	710
			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



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Bulletin	No: -	780,	/2018/	Bulletin	/Mizo
					0

Period: 31 March - 04 April, 2018

Date of issue: 30th March, 2018

	1 1	P	1		
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018
Rainfall (mm)	4	3	3	0	0
Max Temp (°C)	31	31	30	31	31
Min Temp (°C)	17	17	17	18	18
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear
Max RH (%)	88	91	81	80	84
Min RH (%)	20	17	30	26	22
Wind Speed (KmpH)	3	3	2	3	3
*Wind Direction	S-E	E	S	S-E	S-E
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,	·
		Westerly- <mark>S-W</mark> , We			
Status of Post Mon					renthesis)
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)
Weather summary of	of the past	31 st March –	04 th April, 20	018 chhunga	sik leh sa
three day	s		dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):85- Minimum RH (%):59- Wind Direction: South Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 16.8 mm	6-20°C 93% 71% heasterly 7 clear		Khua a lum l 17-18°C ni tu ch a hniam lai kar khatah 2-3 ch rin a ni. A tl g tak hmuh bei	ai berin 31°C a ura beisei a ni berin 17-30% 3 km vela chak angpuiin tun n sei a ni. rainfall: 10.0r	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung nm
NDVI for Mizoram			Mildly dry districts of }	[,] condition oc Mizoram.	
					1 P a g e



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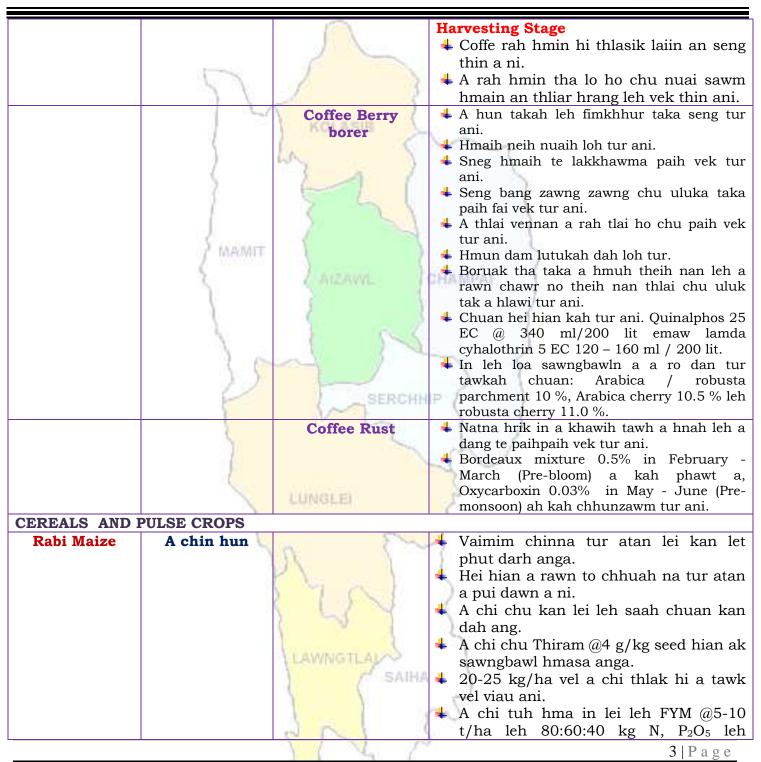


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			,
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah 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.
			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	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	LAWNGTLAU	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		612 1	4 P a g e



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ICHK			
			awm thin a , hei hi natna tlanglawn ber ani.
			4 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	 Thlai chhina hmun (nursery) hi hnim a
	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
	160		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.
			4 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	 Thlai hna lam chi leh zikhlum lam
		- SAIHA	
		1	6 6
			Mancozeb @ 2gm ah tui leter 1
			6 6



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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.
	AMAMIT	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 /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	Ranikhet 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	Coccidiosis - Amprolium of
	Summer		coccidiostat
	[MADALI	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	1	AIZAWL	CHAMPAI }
	Monitoring (Sangha enkawl)		 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. 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 anih 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 5 1	710.000
			7 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

Date of issue: 30th March, 2018

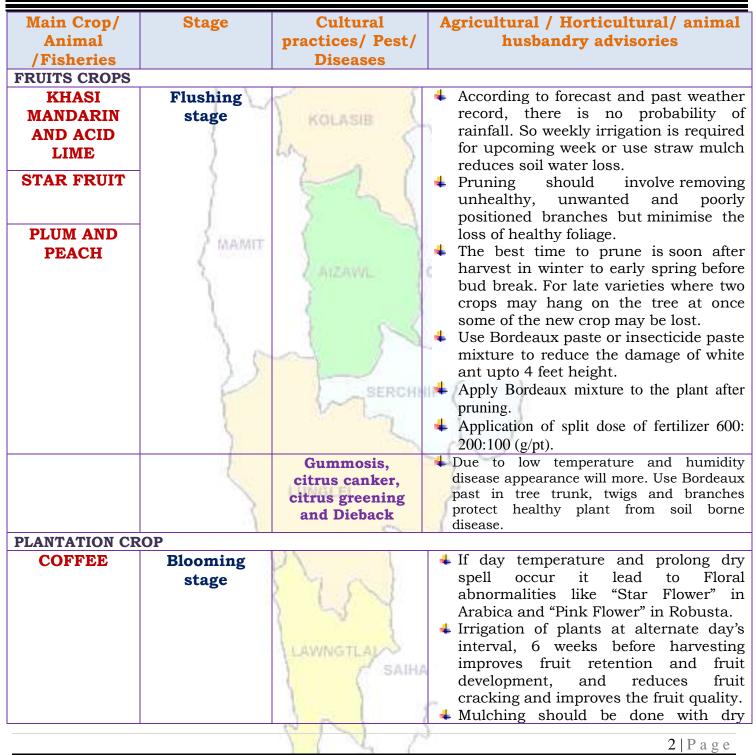
			1.5			
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018	
Rainfall (mm)	0	0	0	4	7	
Max Temp (°C)	30	30	30	30	31	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clear	r Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	94	87	84	90	95	
Min RH (%)	17	14	20	25	19	
Wind Speed (KmpH)	2	4	2	2	2	
*Wind Direction	E	E	E	N-E	N-E	
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , W	asterly- E, South /esterly-W, North	n-westerly- N-W.		
Status of Post Mon						
Aizawl- 5.40mm	· · · · · · · · · · · · · · · · · · ·	1ai- 3.60mm	Saiha- 0.00 m		b- 7.60mm	
(20.78mm) Lawngtlai-4.00mm		(13.99mm) ei-4.30mm	(18.29) Mamit-8.10m		(33.14mm) ip-4.10mm	
(19.52mm)	Lungh	(23.30mm)	(17.83n		(14.39mm)	
Weather summary	of the nest	/	precast valid fro	f	<u> </u>	
three day	-	weather it	04 th April		2010 10	
Maximum Tem. (°C):		Thora are shore	ces of light rair	/	nort 0 dava	
Minimum Tem. (°C):			0	0	2	
Maximum RH (%):81-		The maximum and minimum temperatures for the next 5				
Minimum RH (%):54-0		days may range for 30-31°C and 14°C. Maximum relative humidity is expected in the range of 84-95% and minimum may from 14-25%. Wind direction would be easterly to				
Wind Direction: Sout						
Cloud cover: Partially	· · · · · · · · · · · · · · · · · · ·	•			•	
Wind speed: 2-3 km/l			with the wind s			
		Partially clear s	sky will prevail d	uring the next i	five days.	
Rainfall: 08.2 mm			ly cumulative			
NDVI for Mizoram		renth Last Region	Mildly dry districts of	r condition oc Mizoram.	curs in all	
		5 N	P		1 P a g e	

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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND H Maize	Sowing stage	Francing a	Remove all weed plant from the
(Jhum)		SAIHA	 selected place. Keep the plant, leaves and wood for dry.
		P N N	2 D o c o
			3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be
		VIL C	4 P a g e



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	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidi
50	23	 Low temperature and high human influence the population of onion trips Apply any systemic insecticide 1 ml/lt of water.
Flowering to fruiting stage	Poly house	 Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits.
Į	2 24	 Provide irrigation if water is require. Apply any systemic insecticide reduce damage of chilli thrips.
Fruiting to flowering stage	AIZAWL	 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
}s	SERCHH	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systematic investigation for hetter systematics.
7		 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Vegetative to flowering stage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss. Harvest all mature fruits.
	144	 Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and fru- initiation.
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage Image: Constraint of the stage Fruiting to flowering stage Image: Constraint of the stage Vegetative to flowering stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage



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



Potato	Harvesting stage	KOLASIB	 If the leaves and plant became dry it means plant ready for harvesting. Open the furrow with the help of spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce
Cowpea	Sowing stage	12 E	 the moisture level in shed dry. Keep 25% seed for next season sowing. Plough the field properly, at least 2-3 times.
	AMAINT	ALEANA	 Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage		 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	NDARY		
Pig	All stages	LUNGLEI	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under 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.
		Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
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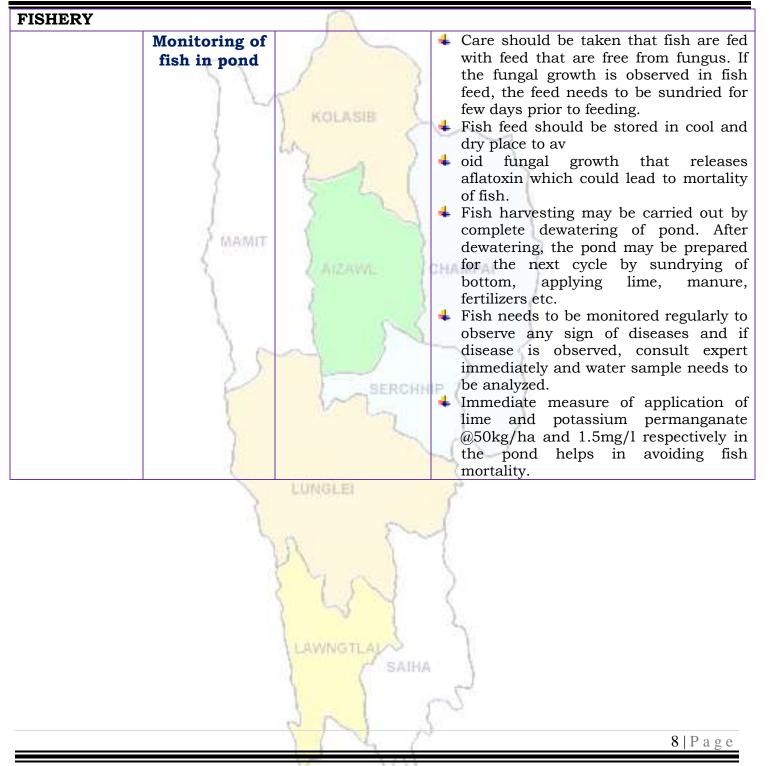


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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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: Lawngtlai

	Bulletin No: -	780/2018/	Bulletin/Mizo
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10

Period: 31 March - 04 April, 2018

Date of issue: 30th March, 2018

		$\sim F$	4.4		
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018
Rainfall (mm)	0	0	0	4	7
Max Temp (°C)	30	30	30	30	31
Min Temp (°C)	14	14	14	14	14
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear
Max RH (%)	94	87	84	90	95
Min RH (%)	17	14	20	25	19
Wind Speed (KmpH)	2	4	2	2	2
*Wind Direction	E	E	E	N-E	N-E
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,	
		Westerly- <mark>S-W</mark> , We			
Status of Post Mon	soon- February	1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm
(20.78mm)		(13.99mm)	(18.29r	nm)	(33.14mm)
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm
(19.52mm)		(23.30mm)	(17.83n	· · · · · · · · · · · · · · · · · · ·	(14.39mm)
Weather summary	of the past	31 st March –	04 th April, 20	018 chhunga	sik leh sa
three day	s		dinhmun tu		
Maximum Tem. (°C):	28.2000	Tun ni 2 chhui			ri the mainhle
Minimum Tem. (°C):			0		
Maximum RH (%):81-		tura beisei a ni.			0
Minimum RH (%):54-0	CO 0(vawh lai ber in			
Wind Direction: Sout	hoostorly	84-95% leh a hr			
Cloud cover: Partially	z olear	hi darkar khat			
Wind speed: 2-3 km/	hr	zawngin a tleh		01	nga chhung
wind speed. 2 o min/		hian khawthian	g tak hmuh bei	sei a ni.	
Rainfall: 08.2 mm					
		Week	ly cumulative	rainfall: 11.0r	nm
NDVI for Mizoram		North East Region 24.6	Moderately	wet mildly dr	v/mildlv_wet
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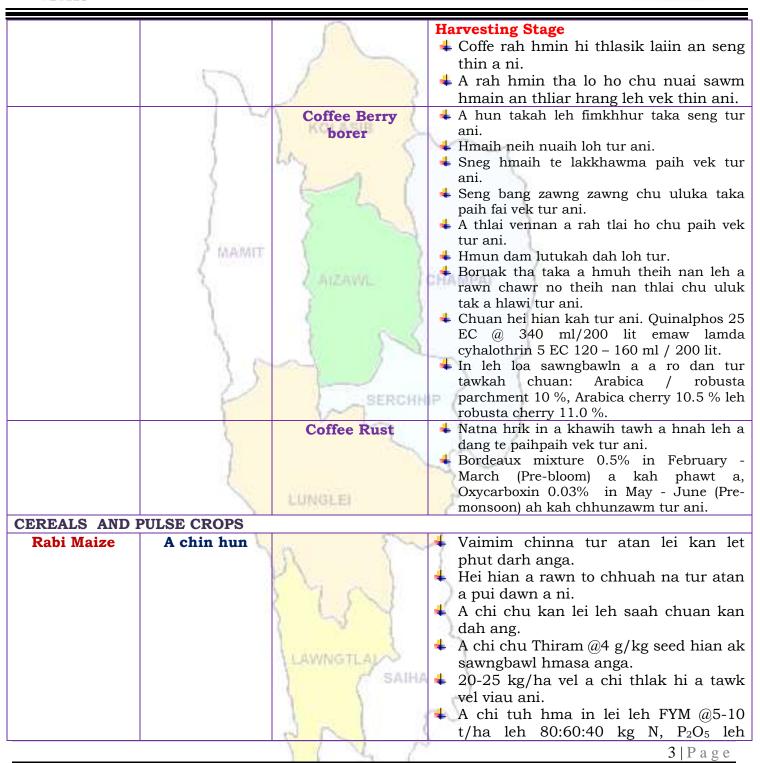


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah dahkhawm tur ani.
LIME)	La l	👍 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	S	taka pek hian a rah tla tur chelh nan
	20	Z ATZAWIL	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	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	2011/03/2011/1	Nursery stage
	1	1000	+ Thlai chi thlak hma in Azospirillum leh
	5	~ 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 8	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.
			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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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	All stage		 A than a that them han highat dahan 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 SERCHH	 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
		612 1	4 P a g e



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Onion and		KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah 	
Onion and capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. 	
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. 	
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani. 	
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. 	
			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.
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 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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	57.	\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.
	Preventive	0-3 rd week	+	Ranikhet Disease- an pian atanga ni
	measures	WA J		1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R_2B vaccine pek tur
	6	1 1		ani.
	3	Contraction of the second	· ·	B complex with antibodies
		4 th weeks	1	Coccidiosis- Amprolium or
	2			coccidiostat
	/ MAMIT	4-5 th Weeks		Calcium tonic fortified with B_{12}
FISHERY	1	ATZAWIL I		
	Monitoring			Sangha te hi chaw a hmuar kai lo
		1		chauh pek thin tur ani. Sangha chaw
	(Sangha	S al		lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
		~ /		Sangha chaw hi a hmuar lohna turin
	1		100	hmun ro leh uap lutuk lo ah dahtha
	8	SERCHN		tur ani a, hmuar atang a tur lo insean
	1	Vita		thin, aflatoxin avang a sangha thi lal
	()			atangin sangha a him phah thin.
				Dil sah kang veka sangha man thi
			the second se	hian a kumleh a sangha khawinan a di
		LUNGLEI		buatsaih a ti awlsam a, dil mawn
	S.	CONGLET		phoro, chinai phul, leitha hman leh tu
				dang in dil buatsaih tur ani.
		n En		Sangha te natna lak atangin an him en
				tih enfiah fo a tha a, natna hmuh anil
				chuan mithiam te rawn vat a, diltu
		2 1 5 1		enfiah vat tur ani.
		1 55 7		A ranglam a chinai @50kg/ha lel
		1		tuisen @1.5mg/l diltui a hman hiar
		LAWNGTLAL		sangha natna avang a thi tur lal
		- SAIHA		atangin a veng thei.
			~	5
		8 N N)	710000
		4 6		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: Lunglei

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

Date of issue: 30th March, 2018

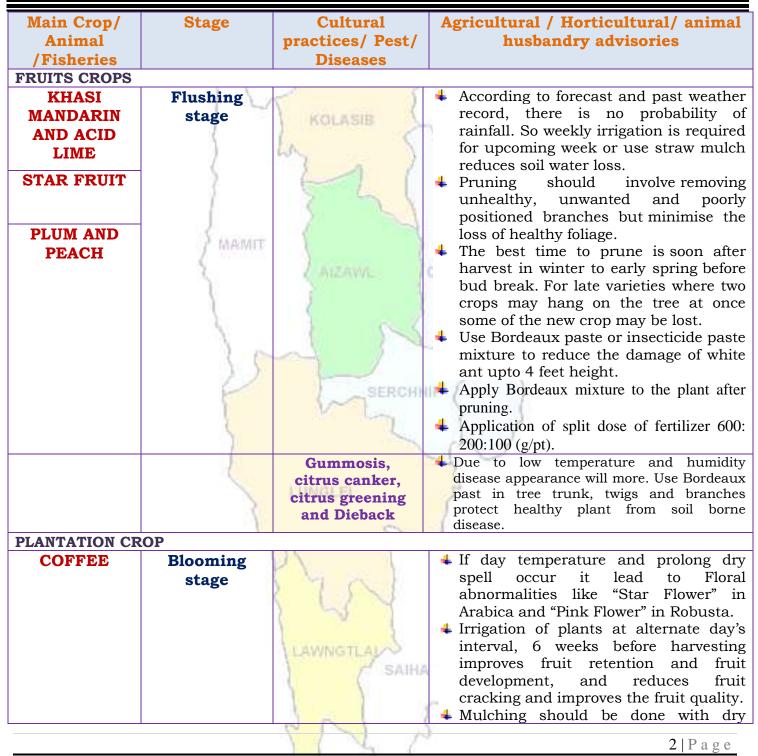
	S 1	P	S				
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018		
Rainfall (mm)	0	0	3	6	0		
Max Temp (°C)	31	31	30	31	31		
Min Temp (°C)	17	17	17	18	18		
Cloud Coverage	Partially clear	Mainly clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	88	100	78	93	100		
Min RH (%)	18	15	22	26	21		
Wind Speed (KmpH)	4	4	4	4	2		
*Wind Direction	E	E	E	N-E	E		
Northe	rly- N, North	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Post Mon							
Aizawl- 5.40mm	-	1ai- 3.60mm	Saiha- 0.00 m		- 7.60mm		
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)		
Weather summary	-	Weather forecast valid from 31 st March, 2018 To					
three day	S	04 th April, 2018.					
Maximum Tem. (°C):2		There are chances of light rainfall during the next 2 days.					
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5					
Maximum RH (%):81-		days may range for 30-31°C and 17-18°C. Maximum					
Minimum RH (%):56-0		relative humidity is expected in the range of 78-100% and					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	minimum may from 15-26%. Wind direction would be					
Cloud cover: Partially		easterly to northeasterly and easterly with the wind speed					
Wind speed: 2-3 km/	hr	of 2-4 km per hour. Partially clear sky will prevail during					
		the next five days.					
Rainfall: 08.5 mm		the next live day	0.				
		Weelst	u oumulativo	rainfall: 09.0 1	m m		
NDVI for Mizoram			winuly uly	condition oc	curs in all		
			districts of	Mizoram.			
		Frank III					
		Agriculture signer is moderate over some of the par	ts North				
		126	1.0				
		VIN	M		1 Page		
					- 1 u S V		

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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I Maize	Sowing stage	Francina	4 Remove all weed plant from the
(Jhum)		SAIHA	selected place. Keep the plant, leaves and wood for dry.
		6 1 1	2 D o g o
		4 6	3 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is
		RIV A	4 P a g e



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	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
52	23	 Low temperature and high human influence the population of onion trips Apply any systemic insecticide 1. ml/lt of water.
Flowering to fruiting stage	Poly house	 Intercultural operations should be dorn regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits.
ĺ	24	 Provide irrigation if water is require. Apply any systemic insecticide reduce damage of chilli thrips.
Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25	SERCHH	 Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mature in dry weather. Apply any systematical systemati
}	1	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Vegetative to flowering stage		According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or up straw mulch reduces soil water loss.
	NJ V	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Mature fruit should be harvested and
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and fru- initiation.
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage Image: Stage Fruiting to flowering stage Image: Stage Vegetative to flowering stage Image: Stage Image: Stage Image: Stage Fruit fly Image: Stage



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Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Stuge		4 Open the furrow with the help o
			spade, harvest all mature tubers.
	2.1	1 5	Liscard all mother tubers from
		()	harvested potato tubers.
		KOLASIB	-
	1	1	4 Keep 7 -10 days for drying or reduce
)	La l	the moisture level in shed dry.
		1 0 1	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		Plough the field properly, at least 2-3
	1	2 5 1	times.
	1	2	4 Mix fertilizer with FYM 50:60:60Kg
	Roman		/ha.
	/ MAMIT	X 2	Sow 2-3 seed per whole.
	S	1 automa 1	➡ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Concerner 1	Plough the field with the help of spade.
	7	1	Sow 2 seed 45 X 45 cm spacing.
		Sec. 1	4 Before sowing seed provide one or two
	1	1 10	irrigation.
	1		+ Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	NDARY		
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
		1 And and a second second	kept in alleviated area and dry bedding
	5		(straw) to be provided to young
			animals.
			4 1 st injection at 6 months of age and
	Set 1		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	2	New York Street of	vet supervision against FMD.
			 Reduce concentrate diet up to 5%.
			Provide adequate potable water.
		111	In present weather conditions
		PA	vaccinate against swine fever (Vaccines
		100 100	available in State Veterinary Departs)
	-	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1. Cuming of positive pigs of pigiets.
		Respiratory	
		Syndrome (PRRS).	
			~~
		126	

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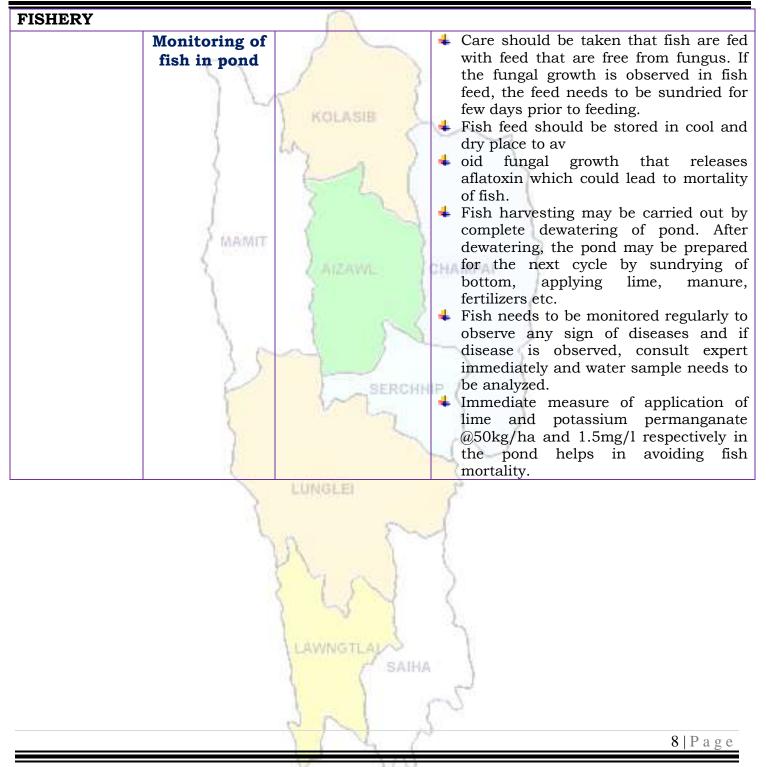


Cattle	All age group		4 In present weather conditions, special
	"Bo B.o."		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 5	wounds followed by application of
		5)	antibiotics for five days is advised.
		KOLASIE	 Provide UMB/Molases if possible in the
	((feed
)	64 J	Provide 10-30 ml of vitamin B-Complex
	(1 1	in feed
	3	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	6		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT	1	vet supervision.
	1	5	Separate sick animals.
	3.0	2 ATZAWAL I	4 The animal should be washed with
			lukewarm water added with little
		6 5	potash (KMnO4) or neem leaves.
		1 Cal	Long hair near the
			udder/stomach/back legs should be
	1 (C		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
	"B. B. e. L	SERCHH	drugs to poultry.
	()	M. Long	Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	100		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2	New York Constraints	4 Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	n 7~	recommended doses.
		135	4 Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 1	✓ ➤ Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		(SAINA	low pox vaccine and 56-70 days:
			RD R-2B strain.
		1 5 1	4 Remove wet litter.
		6 N N	P
			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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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Bulletin	No: -	780/	2018/	Bulletin	/ Mizo
					10

Period: 31 March - 04 April, 2018

Date of issue: 30th March, 2018

		P.	18 C			
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018	
Rainfall (mm)	0	0	3	6	0	
Max Temp (°C)	31	31	30	31	31	
Min Temp (°C)	17	17	17	18	18	
Cloud Coverage	Partially clear	Mainly clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	88	100	78	93	100	
Min RH (%)	18	15	22	26	21	
Wind Speed (KmpH)	4	4	4	4	2	
*Wind Direction	E	E	E	N-E	E	
Souther	rly- <mark>S</mark> , South-V	Easterly- N-E, Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mon						
Aizawl- 5.40mm (20.78mm)	-	ai- 3.60mm	Saiha- 0.00 m		b- 7.60mm (33.14mm)	
Lawngtlai-4.00mm		(13.99mm) ei-4.30mm	(18.29r) Mamit-8.10m		ip-4.10mm	
(19.52mm)	Lungie	(23.30mm)	(17.83n		(14.39mm)	
Weather summary	of the nest	31 st March –	•		· · · · · · · · · · · · · · · · · · ·	
three day	of the past				i sik ieli sa	
three days	5		dinhmun tu	r tlangpui		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):81- Minimum RH (%):56-0 Wind Direction: South Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 08.5 mm	5-16°C 94% 64% heasterly 7 clear	 Tun ni 2 chhung lo awm turah hian ruahtui tla mia tura beisei a ni. Khua a lum lai berin 30-31°C a ni an A vawh lai ber in 17-18°C ni tura beisei a ni. RH sar berin 78-100% leh a hniam lai berin 15-26% ni tur a niin. Thli hi darkar khatah 2-4 km vela chakin chhak awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chh hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 09.0mm 				
NDVI for Mizoram		North East Region 24 Ju				
NDVI IOT MIZOTAM			districts of	condition oc Mizoram.	curs in all	
		1 / V	10		1 Page	

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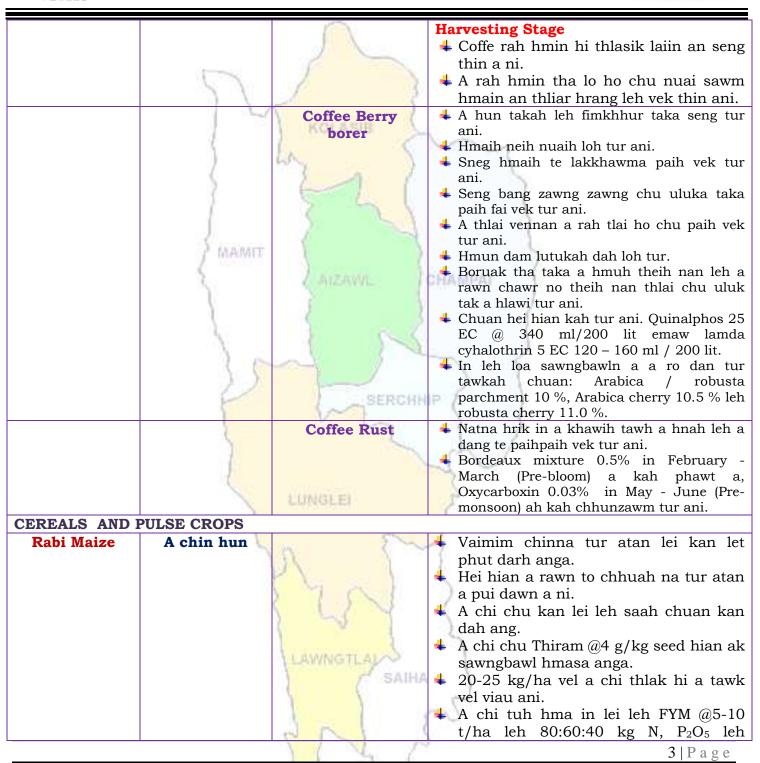


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS		•	1				
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur				
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul				
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				
	T Intervent	5	taka pek hian a rah tla tur chelh nan				
DI UNI AND	3.0	Z AIZAWIL I	leh a rah than that nan te leh a rah				
PLUM AND			keh tur lakah t a veng thei ani.				
PEACH	1						
	10	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				
	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	FILICITY 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				
			10 g/l.				
PLANTATION CR		LUNGLEI					
COFFEE	All stages	energy second l	Nursery stage				
		C	+ Thlai chi thlak hma in Azospirillum leh				
	5	n (~~	Phosphobacterium a enkawl tur ani.				
		1	A chi hi December – January ah hmun				
		My and	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. Nitin tui pek tur ani a, a sat lutuka loh				
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur				
		- SAIHA	ani.				
			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.							
		V V M	2 P a g e				
			2 1 agu				



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



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			awm thin a , hei hi natna tlanglawn
			ber ani.
	1 march 1	5	🖊 Thlai hna lam chi leh zikhlum lam
	51	1 3	chi reng reng enkawl nan Mancozeb
	1 1	5	@ 2gm ah tui leter 1 pawlha kah
	1 3	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum)	WA D	tui pek thin tur ani.
-	5	2 1	+ Thlai bul vawn hnawn nana thlai bula
	3		hnim ring vawm khawm hi tui pek
	1	$C \rightarrow I$	zawhah dah tur ani.
		1	Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	5) astrong	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	A chi ven that nan thiram 3g/kg seed
	1		emaw Trichoderma viride 4g+ metalaxyl 4g
	1	blight	(Apron)/ kg seed hi a tha hle ani
			Hneh taka 1% Bordeaux chawhpawlh
	20		emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a
French bean	Sowing stage	SERCHH	pek hi a tha hle ani. Tui pek a hnihnah hringa khuh tur ani
French Dean	Sowing stage	Veta	a. than a that theih nan tui pek hma
	5		in lei rin pan hmasak tur ani.
	de la		4 A than duna theih nan leh hnim to loh
	1		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		55	tui pek thin tur ani.
		11 (~~	Tui pek hnuah thlai bul vawn hnawn
		PN N	na tur siam tur ani.
		1 7 61	Zikhlum lam chi ah chuan sik leh
		(sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
		Commence and Call	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		J J	Mancozeb @ 2gm ah tui leter 1
			🔨 pawlha kah tur ani.
		P N N	
			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.
	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.
		900	6 P a g e



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	5	S	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
		A RELEASE		ani.
	Preventive	0-3 rd week	+	Ranikhet Disease- an pian atanga ni
	measures	La N		1-6 ah F1 vaccine pek tur ani a, chuar
	(1 1		a puitlingh chuan R ₂ B vaccine pek tu:
			· .	ani. B complex with antibodies
		4 th weeks	1	
		Han WEEKS		coccidiosis- Amprolium or coccidiostat
	MAGMIT	4-5 th Weeks		Calcium tonic fortified with B ₁₂
DIGUEDN	2 March 12			
FISHERY		AIZAWIL		MPAI
	Monitoring	1		Sangha te hi chaw a hmuar kai le
	(Sangha	1 6 1		chauh pek thin tur ani. Sangha chaw
	enkawl)			lo hmuar anih chuan pek hma in ni s
	2 6			a phoro phawt tur ani.
	1)			Sangha chaw hi a hmuar lohna turin
		SERCHN		hmun ro leh uap lutuk lo ah dahtha
	8	W I		tur ani a, hmuar atang a tur lo insean
	1			thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.
			40	Dil sah kang veka sangha man thi
			the second se	hian a kumleh a sangha khawinan a di
	The second	WHAT IN THE REAL OF THE REAL O		buatsaih a ti awlsam a, dil mawn
		LUNGLEI	1 St	phoro, chinai phul, leitha hman leh tu
	2			dang in dil buatsaih tur ani.
		5		Sangha te natna lak atangin an him en
		A V		tih enfiah fo a tha a, natna hmuh anil
				chuan mithiam te rawn vat a, diltu
		123 6 6	0	enfiah vat tur ani.
		1 LAY	4	A ranglam a chinai @50kg/ha lel
			2	tuisen @1.5mg/l diltui a hman hiar
		La manager and		sangha natna avang a thi tur lal
		LAWNGTLAN		atangin a veng thei.
		(SAIHA		
			T.	(nat)
		A R I		2
		6 N N)	710000
		4 6		7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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





District: Mamit

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

Date of issue: 30th March, 2018

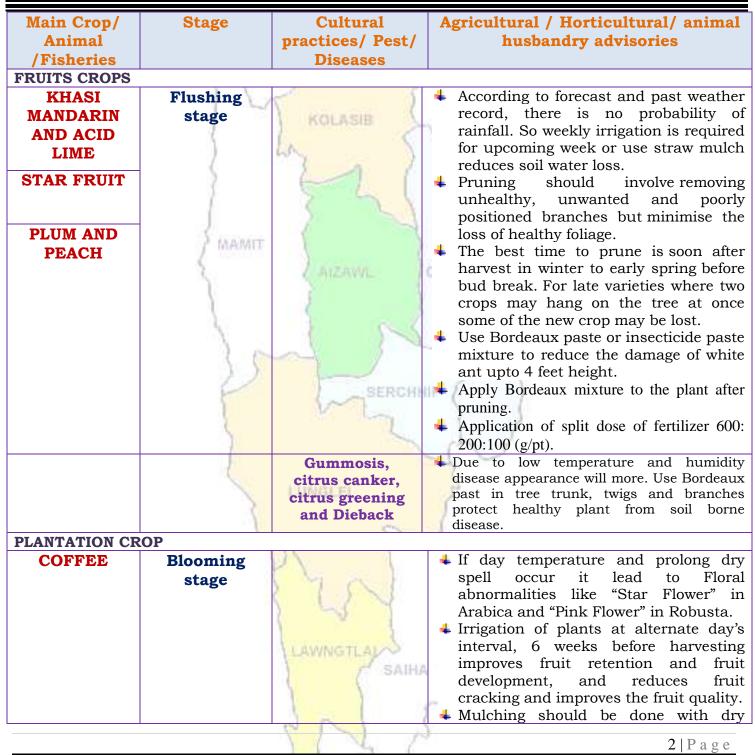
		\mathcal{F}	1. S.				
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018		
Rainfall (mm)	0	0	0	6	0		
Max Temp (°C)	31	31	30	31	31		
Min Temp (°C)	17	17	17	18	18		
Cloud Coverage	Partially clear	Mainly clear	Partially clear	Mainly cloudy	Partially clear		
Max RH (%)	82	81	85	90	81		
Min RH (%)	22	17	30	27	21		
Wind Speed (KmpH)	4	2	2	3	3		
*Wind Direction	S-E	E	E	E	S-E		
Northe	rly- N, North	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.			
Status of Post Mon	soon- Februar	y 1-28, 2018 (Perce			renthesis)		
Aizawl- 5.40mm	Champl	1ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm		
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n	f	(14.39mm)		
Weather summary	-	Weather for		om 31 st March,	2018 То		
three day	s	04 th April, 2018.					
Maximum Tem. (°C):2	9-31⁰C	There is a chance of light rainfall during the next 1 day.					
Minimum Tem. (°C):2	0-21°C	The maximum and minimum temperatures for the next 5					
Maximum RH (%):78-		days may range for 30-31°C and 17-18°C. Maximum					
Minimum RH (%):58-	68 %	relative humidity is expected in the range of 81-90% and					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	minimum may from 17-30%. Wind direction would be					
Cloud cover: Partially		U					
Wind speed: 2-3 km/	hr	southeasterly to easterly and southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail					
		during the next five days.					
Rainfall: 11.5 mm		uuring the next	live days.				
		*** * *					
				rainfall: 06.0 1			
NDVI for Mizoram				condition oc	curs in all		
		AB3 1	districts of	Mizoram.			
]				
		of the	1 000				
		Agriculture signer is moderate over some of the pe	ts North				
		international and					
			N		1 D a g c		
		-	6		1 Page		

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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND H Maize	Sowing stage	Francina	Remove all weed plant from the
(Jhum)		SAIHA	 selected place. Keep the plant, leaves and wood for dry.
		6 N 3	2 D o c o
			3 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be
		VIZ A	4 P a g e



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	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidi
5	23	 Low temperature and high human influence the population of onion trips Apply any systemic insecticide 1 m1/lt of water.
Flowering to fruiting stage	Poly house	 Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits.
-	254	 Provide irrigation if water is require. Apply any systemic insecticide reduce damage of chilli thrips.
Fruiting to flowering stage	AIZAWL	 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25		 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systemate
}	~	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Vegetative to flowering stage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss. Harvest all mature fruits.
	N2 Y	 Apply split dose of nitrogenor fertilizer to the plant. Mature fruit should be harvested and
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage Image: Constraint of the stage Fruiting to flowering stage Image: Constraint of the stage Vegetative to flowering stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage Image: Constraint of the stage



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Potato	Harvesting stage	KOLASIB	 If the leaves and plant became dry it means plant ready for harvesting. Open the furrow with the help of spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry.
Cowpea	Sowing stage	5	 Keep 25% seed for next season sowing. Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	- A	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	NDARY		
Pig	All stages	LUNGLEI Porcine	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under 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.
		Reproductive Respiratory Syndrome (PRRS).	
			-5
		1120	6 P a g e



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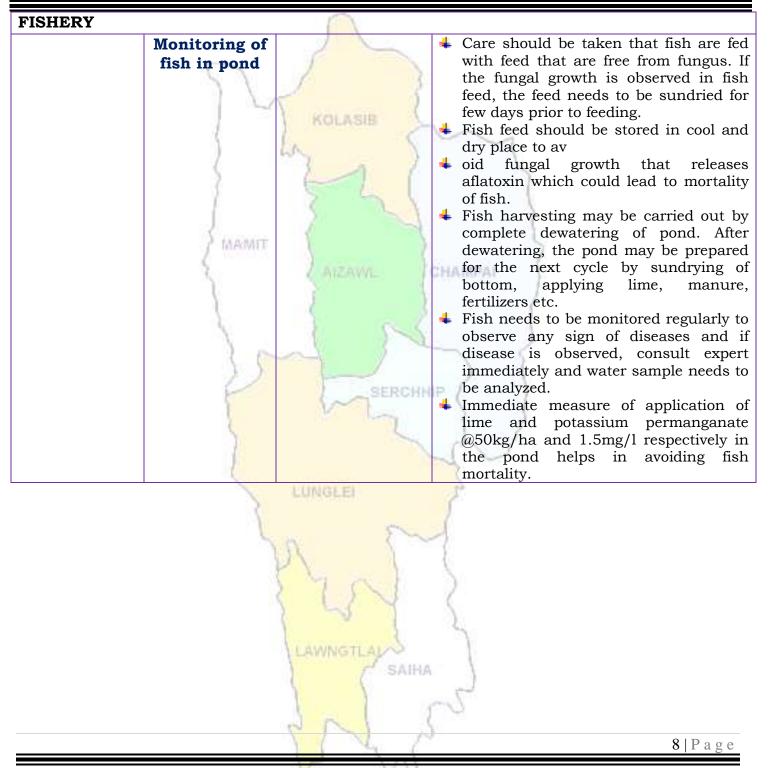


Cattle	All age group	0	4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.3	1 2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
		0.	feed
)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	1	and a second second	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	2 martin		 Separate sick animals.
	30	2 ATZAWIL 1	4 The animal should be washed with
	13	2 1	lukewarm water added with little
		<	potash (KMnO4) or neem leaves.
		5 5 6	Long hair near the
	1.1.2		udder/stomach/back legs should be
	S . (*		teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
I Guilly		SERCHN	drugs to poultry.
	l l	M. Long	Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2	Providence and a second	4 Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	n 2~~	recommended doses.
		1	4 Vaccination as per the schedule with
			proper consultation with vet.
			> Day old chick: HVT Marek disease
) La Y	vaccine, 4-7 days:¬ F/Lasota, 14-18
		A A	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
			weeks. Chicken embryo adopted
		SAIHA	low pox vaccine and 50-70 days:
			RD R-2B strain.
		1 15 11 11	4 Remove wet litter.
		601	P
		1 4	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: Mamit

Bulletin	No: -	780/2	2018/	Bulletin	/ Mizo
					10

Period: 31 March - 04 April, 2018

Date of issue: 30th March, 2018

			41			
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018	
Rainfall (mm)	0	0	0	6	0	
Max Temp (°C)	31	31	30	31	31	
Min Temp (°C)	17	17	17	18	18	
Cloud Coverage	Partially clear	Mainly clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	82	81	85	90	81	
Min RH (%)	22	17	30	27	21	
Wind Speed (KmpH)	4	2	2	3	3	
*Wind Direction	S-E	E	E	E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.		
Status of Post Mon	soon- February	v 1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)	
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary of	of the past	31 st March –	04 th April, 20	018 chhunga	sik leh sa	
three day	s	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):78- Minimum RH (%):58- Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/ Rainfall: 11.5 mm	0-21°C 91% 68% heasterly v clear	tura beisei a ni. Khua a lum lai berin 30-31°C a ni a vawh lai ber in 17-18°C ni tura beisei a ni. RH berin 81-90% leh a hniam lai berin 17-30% ni tu				
ADVI IOF MIZOFAM			Mildly dry districts of }	[,] condition oc Mizoram.	curs in all	
		1 / V	12		1 Page	

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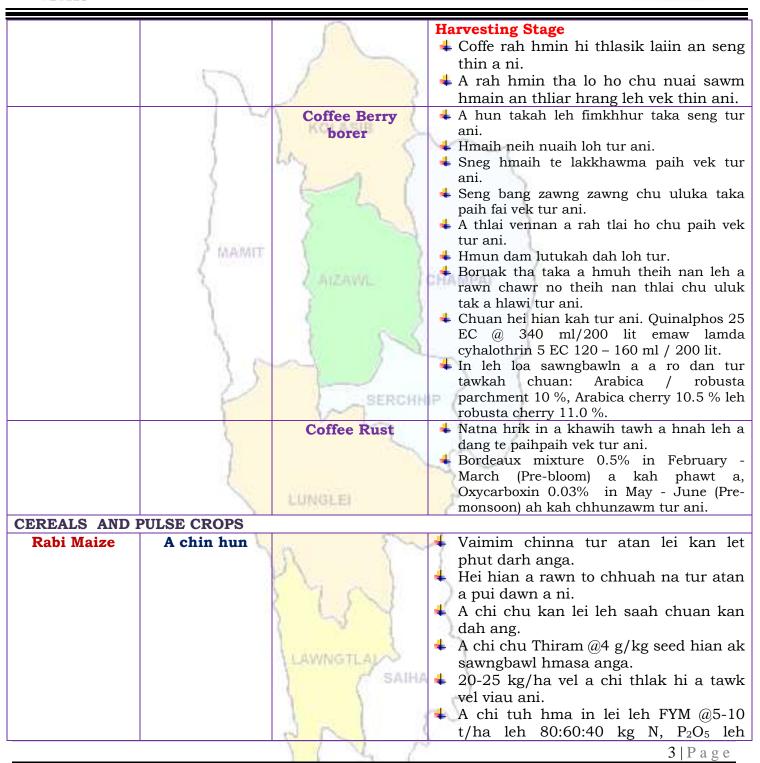


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monorione 2	velah dahkhawm tur ani.
LIME)	LA N	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	\(taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
PEACH		Our contraction attempt	4 Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5	greening and Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		- ERCHN	rah tan tirin chawlhkar hnih chhung chu
	5	N. Long	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	0.7		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	in the second second li	Nursery stage
		55	+ Thlai chi thlak hma in Azospirillum leh
		n (~~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
		91 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 201	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		2 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		a R I	
		VIV A	2 P a g e



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	2	\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 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	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
		V V V	4 P a g e



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			awm thin a , hei hi natna tlanglawn
			ber ani.
	1000	f in	Thlai hna lam chi leh zikhlum lam
	81	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)	WAY IN D	tui pek thin tur ani.
	S	2 1	+ Thlai bul vawn hnawn nana thlai bula
	5	State 1	hnim ring vawm khawm hi tui pek
		5 51	zawhah dah tur ani.
	2		+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	S	Laszana 1	tui liter 1 zelah pawlh a kah hi a tha hle ani.
		Phytopthora	\downarrow A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	20	blight	(Apron)/ kg seed hi a tha hle ani
	- N		Hneh taka 1% Bordeaux chawhpawlh
	2.0	~ /	emaw 2 g captan emaw 3 copper
	11		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	4 Tui pek a hnihnah hringa khuh tur ani
		N La	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
	1	N 100	4 A than duna theih nan leh hnim to loh
	1 C		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	1	5	tui pek thin tur ani.
		11 11	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
			↓ Zikhlum lam chi ah chuan sik leh
		127 6	sa vangin a hnah ah thil dum a
		1 La Y	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAN	↓ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		((Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		2010	pumini hun tur ann.
			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.
	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.
		900	6 P a g e



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



	5	\sum	 Tui an in tur chhawpna tur tha /liat tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga r
	measures	6	1-6 ah F1 vaccine pek tur ani a, chua
		W7 2)	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1	2 5	+ B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium o
	FINAMIT		coccidiostat
	1	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	1	(AIZAWIL)	CHAMPAL
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		6 5 1	710.000
			7 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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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: Saiha

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

Date of issue: 30th March, 2018

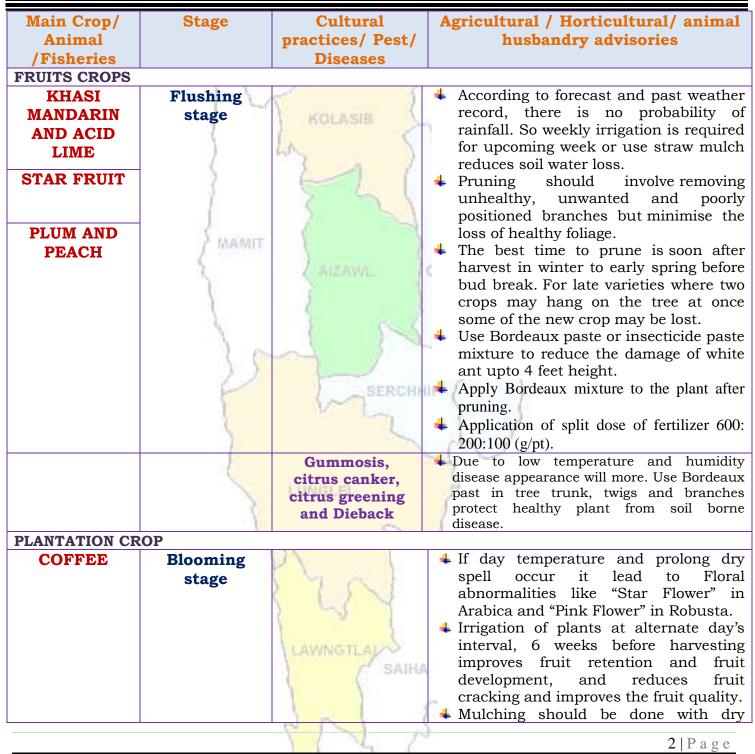
			1		
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018
Rainfall (mm)	0	0	0	5	0
Max Temp (°C)	31	31	30	31	31
Min Temp (°C)	17	17	17	18	18
Cloud Coverage	Partially clear		Partially clear	Mainly cloudy	Partially clear
Max RH (%)	66	96	75	89	86
Min RH (%)	14	13	18	23	20
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E
Souther	rly- <mark>S</mark> , South-	-Easterly- N-E, Ea Westerly- S-W, W	esterly-W, North	n-westerly- N-W.	
Status of Post Mon					
Aizawl- 5.40mm (20.78mm)	· · · · · · · · · · · · · · · · · · ·	1ai- 3.60mm (13.99mm)	Saiha- 0.00 m: (18.29)		b- 7.60mm (33.14mm)
(20.78mm) Lawngtlai-4.00mm		ei-4.30mm	(18.29) Mamit-8.10m		ip-4.10mm
(19.52mm)	Lungh	(23.30mm)	(17.83n		(14.39mm)
Weather summary	of the next		recast valid fro		· · · · · · · · · · · · · · · · · · ·
three day	· · · · · · · · · · · · · · · · · · ·	weather 10	04 th April,	•	2010 10
Maximum Tem. (°C):2		The sec is a sheet			11 des mins en 41e e
Minimum Tem. (°C):2 Minimum Tem. (°C):1		There is a char		0	<u> </u>
Maximum RH (%):74-		next 1 day. The			±
Minimum RH (%):51-0		the next 5 da			
Wind Direction: Sout		Maximum relat	.		0
Cloud cover: Partially		96% and mini	0		
Wind speed: 2-3 km/l		would be easte	0		÷
		Partially clear s	ky will prevail d	uring the next	five days.
Rainfall: 08.5 mm		Week	ly cumulative	rainfall: 05.0 1	mm
NDVI for Mizoram		North East Region 3	Mildly dry districts of	condition oc Mizoram.	ccurs in all
		P N	P		1 P a g e

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D-11	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I Maize	Sowing stage	L'ENNIG LEAD A	4 Remove all weed plant from the
(Jhum)	Sowing stage	SAIHA	 Keinove an weed plant nom the selected place. Keep the plant, leaves and wood for dry.
		P 1 4	3 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be
		VIZ A	4 P a g e



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Flowering to fruiting stage	Poly house	 applied 30-40 days after transplantin Provide irrigation if water is require. Low temperature and high humidi influence the population of onion trip Apply any systemic insecticide 1 ml/lt of water. Intercultural operations should be don regularly to keep the crop free fro weeds and aeration of the root system Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide
fruiting stage	Poly house	 influence the population of onion trip Apply any systemic insecticide 1 ml/lt of water. Intercultural operations should be dor regularly to keep the crop free fro weeds and aeration of the root system Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide
fruiting stage	Poly house	 Intercultural operations should be dor regularly to keep the crop free fro weeds and aeration of the root system Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide
Fruiting to	3 27	+ Apply any systemic insecticide
Fruiting to		reduce damage of chilli thrips.
flowering stage	AIZAWL	 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25	SERCHN	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systemate
7	1	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Vegetative to flowering stage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss. Harvest all mature fruits.
	14M	 Apply split dose of nitrogenor fertilizer to the plant. Mature fruit should be harvested and
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspensi- containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and fru- initiation.
	Vegetative to flowering	Vegetative to flowering stage Lunge E Fruit fly



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Potato	Harvesting		4]	If the leaves and plant became dry it
	stage		1	means plant ready for harvesting.
			4 (Open the furrow with the help of
		1		spade, harvest all mature tubers.
	2.1	1		Discard all mother tubers from
		∇		harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	6	0		the moisture level in shed dry.
)	an I		Keep 25% seed for next season sowing.
Common	Coming store	1 1 1		Plough the field properly, at least 2-3
Cowpea	Sowing stage			times.
	6	2 2 1		
		2		Mix fertilizer with FYM 50:60:60Kg
	Same			/ha.
	/ MAMIT	X 7		Sow 2-3 seed per whole.
	5	Laszana J		Spacing should be 30 X 20 cm.
Okra	Sowing stage	and the second		Plough the field with the help of spade.
	1)		Sow 2 seed 45 X 45 cm spacing.
	As a	and the second second		Before sowing seed provide one or two
		1 1 1	:	irrigation.
) 6		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY			
Pig	All stages	SERCHN	15 4 7	Animals must keep in dry place or
J		1~1 SCRONN		kept in alleviated area and dry bedding
	<u>y</u>			(straw) to be provided to young
	N			animals.
	1		1.00	1 st injection at 6 months of age and
	1			2nd injection at 12 months of age
		LUNGLEI		followed by annual vaccination under
	5	16.6019.035.001		vet supervision against FMD.
	14			Reduce concentrate diet up to 5%.
	L.	5		Provide adequate potable water.
		I		In present weather conditions
			- N.C.	1
		1 7 6		vaccinate against swine fever (Vaccines
				available in State Veterinary Departs)
		Porcine	1.	Culling of positive pigs or piglets.
		Reproductive	1	6
		Respiratory		
		Syndrome (PRRS).		1
]
			No.	
			1 J	
		1211	0	
		2012	5	6 P a g e



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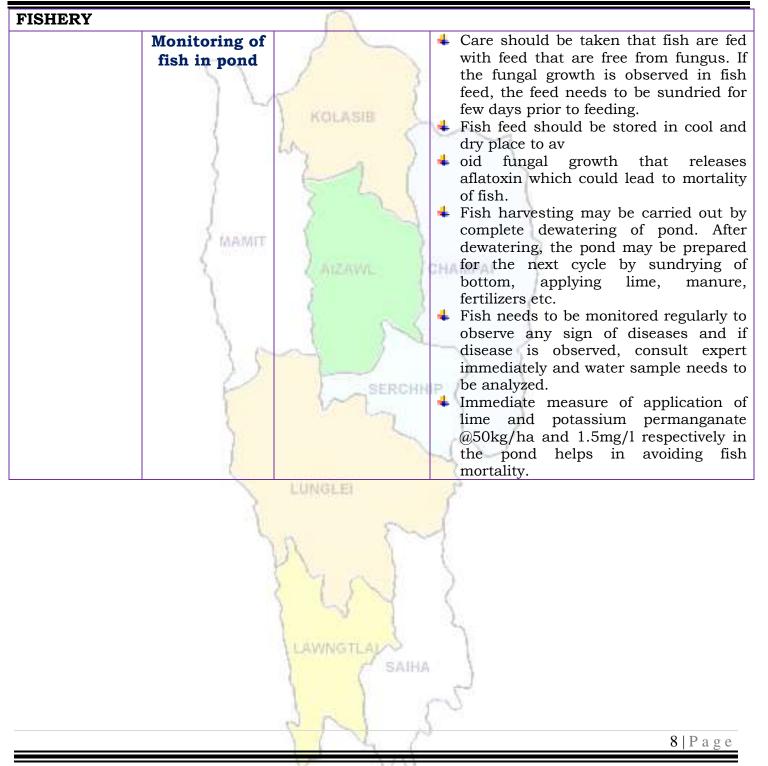


Cattle	All age group		4 In present weather conditions, special
outito	IIII ago group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	5	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	1	0	feed
)	64 J	Provide 10-30 ml of vitamin B-Complex
	(1 1	in feed
	1	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	AMAMIT		vet supervision.
	1	S	Separate sick animals.
	3.0	2 ATZAWAL 1	 Geparate sick annuals. The animal should be washed with
		2	lukewarm water added with little
	1	2 3	potash (KMnO4) or neem leaves.
		3 and	Long hair near the
	- X		udder/stomach/back legs should be
			teamed short.
Poultry	All age group		 Provide preventive dose of anti-coccidial
Foultry	All age group	SERCHN	drugs to poultry.
	1	V	 Proper ventilation of shed.
			 Provide glucose/electral along with
	1		vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
	100	A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O	Avoid overcrowding.
	S.	LUNGLEI	 Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
		- E ~	recommended doses.
		16	4 Vaccination as per the schedule with
		P Variation V	proper consultation with vet.
		101	> Day old chick: HVT Marek disease
		1 La Y	vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		1 manual and	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		1 - 1	4 Remove wet litter.
	•	601	
			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, Cumpberti)

Guwahati)



District: Saiha

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Period: 31 March - 04 April, 2018

Date of issue: 30th March, 2018

Parameters	31.03.2018		02.04.2018	03.04.2018	04.04.2018
Rainfall (mm)	0	0	0	5	0
Max Temp (°C)	31	31	30	31	31
Min Temp (°C)	17	17	17	18	18
Cloud Coverage	Partially clear		Partially clear	Mainly cloudy	Partially clear
Max RH (%)	66	96	75	89	86
Min RH (%)	14	13	18	23	20
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	E
Souther	rly- <mark>S</mark> , South-V	Easterly- N-E, E Westerly- S-W, W	Vesterly-W, Nort	h-westerly- N-W	
Status of Post Mon Aizawl- 5.40mm (20.78mm) Lawngtlai-4.00mm (19.52mm)	Champh	7 1-28, 2018 (Pero nai- 3.60mm (13.99mm) ei-4.30mm (23.30mm)	cent of deviation j Saiha- 0.00 m (18.29 Mamit-8.10m (17.83)	im Kolasi mm) m Serchł	arenthesis) ib- 7.60mm (33.14mm) nip-4.10mm (14.39mm)
Weather summary of three day	s	31 st March -	· 04 th April, 2 dinhmun tu	ır tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):74- Minimum RH (%):51- Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/ Rainfall: 08.5 mm	4-17°C 89% 68% heasterly 7 clear	tura beisei a ni vawh lai ber i berin of 66-969 niin. Thli hi da zawngin a tleh hian khawthian	ang lo awm tur . Khua a lum la n 17-18°C ni t % leh a hniam i rkar khatah 4 k rin a ni. A tla ng tak hmuh be c ly cumulative	i berin 30-31°C tura beisei a n lai berin 13-23° tm vela chakin angpuiin tun n isei a ni.	2 a ni ang a. A i. RH san lai % ni tur a rin chhaklam awi i nga chhung
NDVI for Mizoram		North East Region	Mildly dry districts of	y condition o Mizoram.	ccurs in all
		1/N	1		1 P a g e

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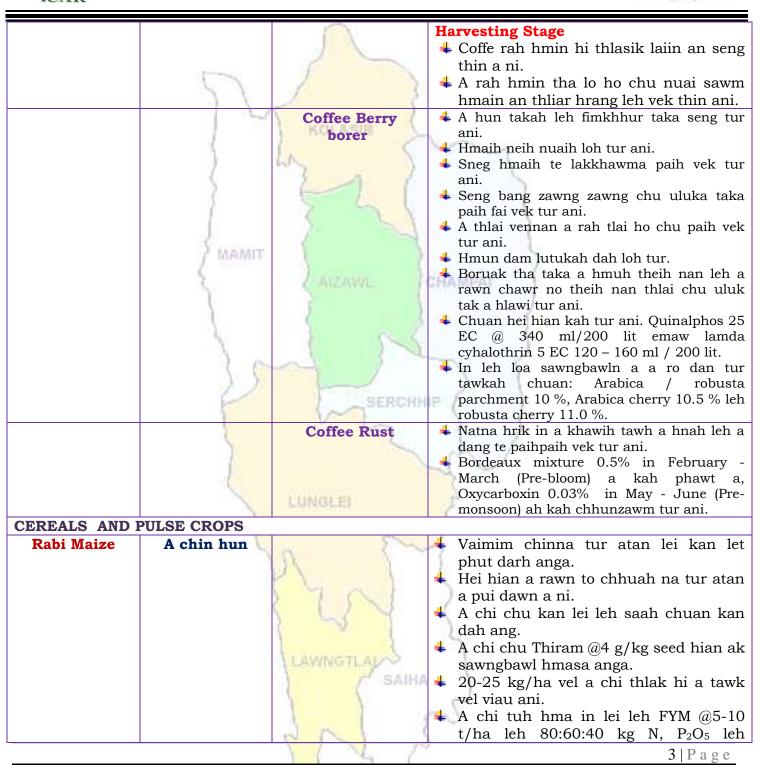


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal						
Animal		practices/ Pest/	husbandry advisories						
/Fisheries		Diseases							
FRUITS CROPS		•	l						
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur						
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul						
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.						
LIME)	LA N	4 Thlai naupang deuah chuan chawlh						
	(1 1	kar tin a tui pek thin tur ani.						
BANANA	1		4 Leia tha mamawh tawk a hmuh						
	(16 5	theihna turin a hmunhma a hnim awm						
	. J.		te thlawhfai thin tur ani.						
STAR FRUIT	AMAMIT	1	4 A seng hma kar 6 chhung chu tui tha						
	Z. Without A.		taka pek hian a rah tla tur chelh nan						
PLUM AND	3	ATZAWIL	leh a rah than that nan te leh a rah						
PEACH			keh tur lakah t a veng thei ani.						
FEACI		Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang						
	S	canker, citrus	hian natna a a tam duh a . Soil bome natna						
	1	greening and	laka vennan Bordeaux past hi thing zar leh						
	105	Dieback	a trangah te hnawih tur ani.						
	0	Fruit fly period	+ Huan zau takah chuan a par tan tirh leh a						
		(~)	rah tan tirin chawlhkar hnih chhung chu						
	2		heng te hian enkawl tur ani: carbaryl 0.2						
	3		percent emaw malathion 0.15 percent						
	16		suspension containing sugar or jeggery at						
PLANTATION CR	OP		10 g/l.						
COFFEE	All stages	PRIMOPERI	Nursery stage						
			+ Thlai chi thlak hma in <i>Azospirillum</i> leh						
		5	Phosphobacterium a enkawl tur ani.						
		11	A chi hi December – January ah hmun						
			zawl/rualrem 1.5 - 2.5 cm a in hlatin						
		1010	🕖 tlar mumal tak siam in chin tur ani.						
	λ.	1 La Y							
		C A A	buhpawla khuh tur ani.						
		LANDING TO AN A	Nitin tui pek tur ani a, a sat lutuka loh						
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur						
		SAIHA	ani.						
			4 Ni 45 hnu velah a tiak thin a,chu chu						
	bag ah an sawn chhuak leh thin ani.								
		6 N N							
			2 P a g e						



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	5	\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 CR	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	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
		VII P	4 P a g e



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Onion and capsicumNursery stagePoly houseawm thin a , hei hi natna tlanglawn ber ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui jek thin tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui jek thin tur ani.Onion and capsicumPhytopthoraA than a that theih nan nikhat danah tui jek thin tur ani.Phytopthora blightA chi veri than an thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron/) kg seed hi a tha hea ani a. than a that theih nan tui pek hma in a that a that ani hi nan ti pek hma in lei rin pan hmasak tur ani.French bean carrot and radishSowing stageA than a that theih nan ui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui jek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui jek thin tur ani.Thia chan a that theih nan tui pek hma in lei rin pan hmasak tur ani.A than a that theih nan nikhat danah tui jek thin tur ani.Thia chan a that theih nan tui pek hma in lei rin pan hmasak tur ani.A than a that theih nan nikhat danah tui jek thin tur ani.Thia chan a that theih nan nikhat danah tui pek hunah thia bul vawn hnawn na tur ani an that a that theih nan nikhat danah tui pek hin tur ani.Thia chan a that theih nan nikhat danah tui pek hin tur ani.Thia in at an chi ah chuan sik leh sa vangin a hnah ah thi dum a rang arw m thina, hei hi natna tangdawn ber ani.Thia ina lam chi leh zikhlum lam chi				
capsicumtui pek thin tur ani.capsicumtui pek thin tur ani.tui pek thin tur ani.Thlai bul vawn hnawn nana thlai bul hnim ring vawn khawm hi tui pek zawhah dah tur ani.Thlai chhina hmun (nursery) hi hnim a tui liter 1 zelah pawlh a kah hi a tha hle ani.Phytopthora blightPhytopthora blightFrench beanSowing stageCarrot and radishSowing stage<	Orier end	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.
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 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 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 thin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Tui pek annih an tur pek hina thai bul vawn hnawn na tur siam tur ani.4 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.4 Thipek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.4 Thipek hnuah thlai dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1			AIZAWL	 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.
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.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan thin thin tur ani.LipsA than a that theih nan tur ani.Li		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 	French bean	Sowing stage	LUNGLEI	 a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. 4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		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
5 Page			N NI	



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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.
	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.
		900	6 P a g e



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 Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw 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 insear thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/1 dilitui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 				
Preventive measures 0-3 rd week 4 Ranikhet Disease- an pian atanga ra 1-6 ah FI vaccine pek tur ani a, chuaa a puitlingh chuan R ₀ B vaccine pek tu ani. 4th weeks 4 Coccidiosis- Amprolium o coccidiostat 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4.5th Weeks 4 Calcium tonic fortified with B12 FISHERY 5 Sangha te hi chaw a hmuar kai I chaup pek thin tur ani. Sangha chaw li a hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw li a hmuar lohna turi hin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a dibuatsaih tur ani. Sangha te natna lak atangin an him en thi hian a kumleh a sangha khawinan a dibuatsaih tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natna avang a thi tur lai atangin a veng thei.		5	\sum	 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
measures 1-6 ah F1 vaccine pek tur ani a, chuat a puttingh chuan R2B vaccine pek tur ani. 4th weeks Coccidiosis- coccidiositat 4.5th Weeks Collicitiosis- coccidiositat FISHERY 4.5th Weeks Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw l o hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dathat tur ani a, hmuar atang a tur lo insear thin, aflatxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lai atangin a veng thei.		Preventive	0-3 rd week	
Ath weeks Ath weeks		10	(
 4th weeks 4th weeks 4-5th Weeks Calcium tonic fortified with B₁₂ FISHERY Monitoring (Sangha enkawi) Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in is a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahta tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh anii chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 			W 2 2 1	
4th weeks 4 Coccidiosis- coccidiostat Amprolium coccidiostat 4-5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4 Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi 5 Sangha thi la hmuar lohna turin imun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anii chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lei tusen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lai atangin a veng thei.		>		ani.
 4-5th Weeks Calcium tonic fortified with B₁₂ FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 		1	5 5	
FISHERY Monitoring (Sangha enkawl) * Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni si 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 lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. * Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. * A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiat sangha natna avang a thi tur lai atangin a veng thei.			4 th weeks	-
FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. Sangha chaw hi enkawl) Sangha chaw hi a hmuar lohna turii hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Di sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anii chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiaa sangha natna avang a thi tur lai atangin a veng thei.		Summer		
 Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw 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 insear thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en the enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei. 		Intervent i		
 (Sangha enkawl) (Sangha enkawl) (Sangha enkawl) (Sangha chawli a hmuar ani, chuan pek hma in ni si 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 lai atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lai atangin a veng thei. 	FISHERY	2	AIZAWIL	CHAMPAI }
7 Dece		(Sangha		 chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahta tur ani a, hmuar atang a tur lo inseat 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 ci buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him et tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha let tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
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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: Serchhip

Bulletin No: - 780/2018/ Bulletin/English

Period: 31 March – 04 April, 2018

Date of issue: 30th March, 2018

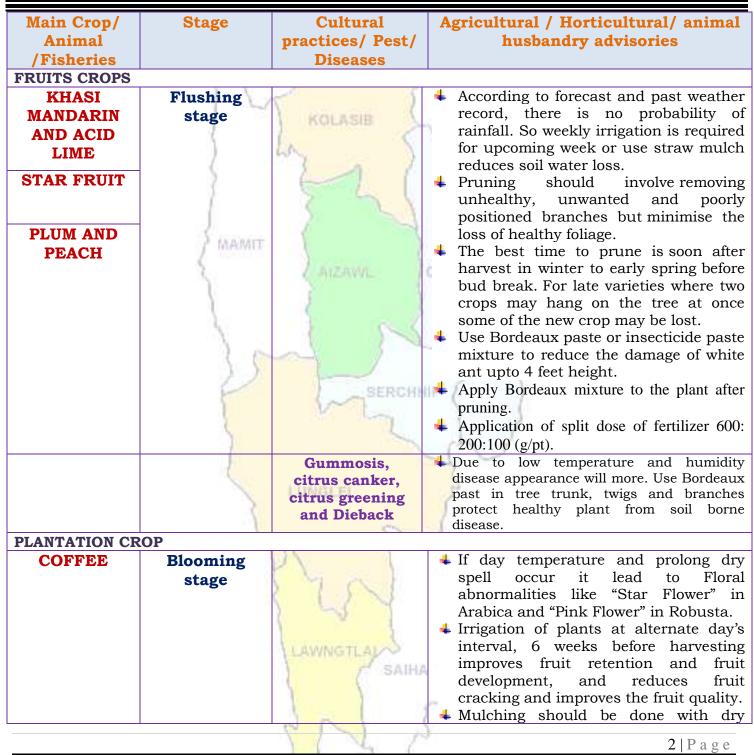
	2.1	- P	4			
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018	
Rainfall (mm)	0	0	0	3	0	
Max Temp (°C)	30	30	30	30	31	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	95	91	73	91	92	
Min RH (%)	19	15	20	23	21	
Wind Speed (KmpH)	4	4	3	4	2	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , W	esterly-W, North	n-westerly- N-W.		
Status of Post Mon	soon- Februar	y 1-28, 2018 (Perce	ent of deviation f	rom normal in pa	renthesis)	
Aizawl- 5.40mm	Champl	1ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm	
(20.78mm)		(13.99mm)	(18.291	nm)	(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n	nm)	(14.39mm)	
Weather summary	of the past	Weather fo	recast valid fro	om 31 st March,	2018 To	
three day	s	04 th April, 2018.				
Maximum Tem. (°C):2	8-30°C	There is a chance of light rainfall during the next 1 day.				
Minimum Tem. (°C):		The maximum and minimum temperatures for the next 5				
Maximum RH (%):81-		days may range for 30-31°C and 14°C. Maximum relative				
Minimum RH (%):54-	71%	humidity is expected in the range of 73-95% and minimum				
Wind Direction: Sout	heasterly	may from 15-23%. Wind direction would be easterly with				
Cloud cover: Partially	v clear	2			0	
Wind speed: 2-3 km/	hr	the wind speed of 2-4 km per hour. Partially clear sky will				
-		prevail during the next five days.				
Rainfall: 10.3 mm						
		Week	l y cumulative i	rainfall: 03.0 1	mm	
NDVI for Mizoram		North East Region 241	Mildly dry	condition oc	curs in all	
			districts of	Mizoram.		
		STR.	1			
		CAR .	-			
		and the second s				
		.A.	Here a			
		Agriculture signer is moderate over some of the p region.	arts North			
		N N	1			
		1 C	17		1 Page	

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	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND P		LESONNO LESON	4 Remove all weed plant from the
Maize (Jhum)	Sowing stage	SAIHA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.
		6 N 3	210
			3 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 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 remaining 25% after one month and 25% at flowering stage.
Rice (Jhum)	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
VEGETABLE CRO Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one manth and 05% at flownring stage.
Onion	Bulb formation stage	Poly house LAWNGTLAU SAIHA	 month and 25% at flowering stage. Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is
		1121	4 P a g e



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	A	 applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidities
25	£ }	 influence the population of onion trips Apply any systemic insecticide 1 ml/lt of water.
ering to ng stage	Poly house	Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system.
]	54	 Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide reduce damage of chilli thrips.
ting to vering tage	AIZAWL	According to forecast and past weather record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25	SERCHH	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systemat
}	1	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
tative to wering tage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss. Harvest all mature fruits.
	144	 Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
		The state of the s



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ICAR			
Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Jungo		4 Open the furrow with the help o
			spade, harvest all mature tubers.
	2.1	1	Liscard all mother tubers from
		5	harvested potato tubers.
		KOLASIE	Keep 7 -10 days for drying or reduce
	1	0	the moisture level in shed dry.
)	WA N	 Keep 25% seed for next season sowing.
0	Semina store	1 1 1	 Plough the field properly, at least 2-3
Cowpea	Sowing stage		times.
	1	2 2 1	
		21	Mix fertilizer with FYM 50:60:60Kg (here)
	AMAMIT		/ha.
	1 menyin r	S	Sow 2-3 seed per whole.
		LAIZAWAL /	Spacing should be 30 X 20 cm.
Okra	Sowing stage		Plough the field with the help of spade.
		1 2	Sow 2 seed 45 X 45 cm spacing.
	200	1 6 1	Before sowing seed provide one or two
			irrigation.
) - ps		🔸 Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB			
Pig	All stages	SERCHN	Animals must keep in dry place or
		V	kept in alleviated area and dry bedding
	2		(straw) to be provided to young
	20		animals.
			4 1 st injection at 6 months of age and
	ale a	NAME OF A DESCRIPTION	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	5		vet supervision against FMD.
		500	+ Reduce concentrate diet up to 5%.
		n (~	Provide adequate potable water.
			+ In present weather conditions
		A Part	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			- Ver
		2 8 1	
		111	6 D a g a
			6 P a g e

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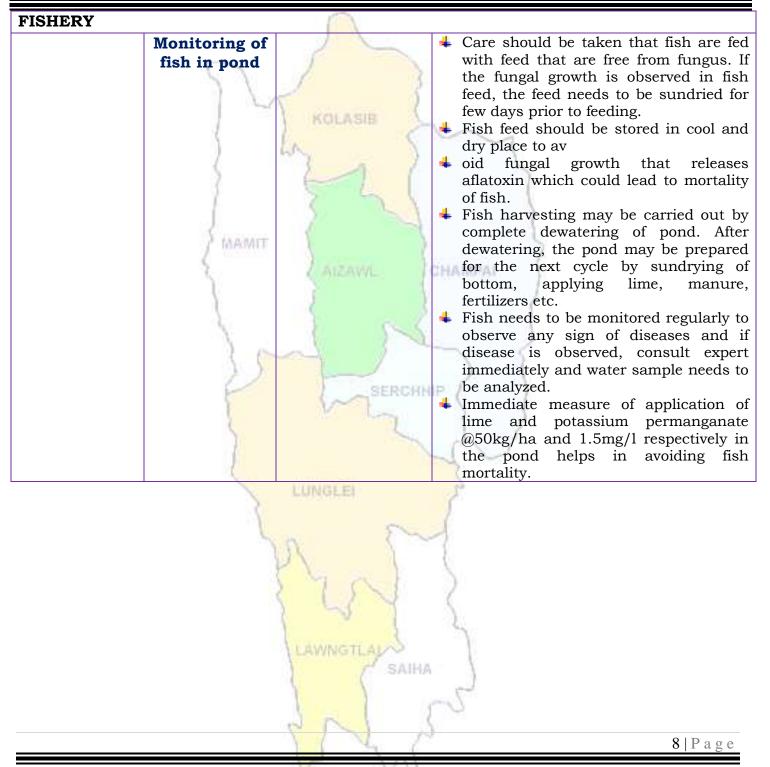


Cattle	All age group	No. No.	4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5)	antibiotics for five days is advised.
	1 2	KOLASIB	Provide UMB/Molases if possible in the
	(feed
)	an J	Provide 10-30 ml of vitamin B-Complex
	(1 1	in feed
	1		4 1 st injection at 6-8 weeks of age, 2nd
	1	2	injection after 6 months of 1 st injection
		21	
	> MAMIT		followed by annual vaccination under
	Interior I	A	vet supervision.
	2.	LAIZAWA 1	Separate sick animals.
			4 The animal should be washed with
		1 2	lukewarm water added with little
	1	1 2 1	potash (KMnO4) or neem leaves.
	1		Long hair near the
	2 6		udder/stomach/back legs should be
			teamed short.
Poultry	All age group	SERCHN	+ Provide preventive dose of anti-coccidial
		V	drugs to poultry.
	5		Proper ventilation of shed.
	1		+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	1	NOT CONTRACTOR	birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		 Provide broad-spectrum antihelminthic
	1	2	drugs under vet supervision and
	2	$n \sim$	recommended doses.
			+ Vaccination as per the schedule with
		M AL	proper consultation with vet.
			> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		- SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		6 5 4	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: Serchhip

Bulletin	No: -	780/	2018/	Bulletin/	Mizo
					0

Period: 31 March - 04 April, 2018

Date of issue: 30th March, 2018

	S 1	p	1 St.			
Parameters	31.03.2018	01.04.2018	02.04.2018	03.04.2018	04.04.2018	
Rainfall (mm)	0	0	0	3	0	
Max Temp (°C)	30	30	30	30	31	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly cloudy	Partially clear	
Max RH (%)	95	91	73	91	92	
Min RH (%)	19	15	20	23	21	
Wind Speed (KmpH)	4	4	3	4	2	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark>	,	
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	n-westerly- N-W	7.	
Status of Post Mon	soon- February	7 1-28, 2018 (Perce	nt of deviation f	rom normal in p	parenthesis)	
Aizawl- 5.40mm	Champh	lai- 3.60mm	Saiha- 0.00 m		<mark>ib-</mark> 7.60mm	
(20.78mm)		(13.99mm)	(18.291		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		hip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n	f	(14.39mm)	
Weather summary of	of the past	31 st March –	04 th April, 20	018 chhung	a sik leh sa	
three days	s	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C): 3 Maximum RH (%):81- Minimum RH (%):54- Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/1 Rainfall: 10.3 mm	16-17°C 92% 71% heasterly v clear	Tun ni 1 chhun tura beisei a ni. vawh lai ber in 73-95% leh a hr hi darkar khat zawngin a tleh hian khawthiang Week	Khua a lum lai 14ºC ni tura b iam lai berin 1 ah 2-4 km w rin a ni. A tla g tak hmuh bei	i berin 30-31% beisei a ni. RH 5-23% ni tur vela chakin o ngpuiin tun r sei a ni. rainfall: 03.0	C a ni ang a. A I san lai berin a rin niin. Thli chhaklam awi ni nga chhung Dmm	
NDVI for Mizoram			Moderately conditions	wet mildly o	lry/mildly wet	
			12		1 Page	



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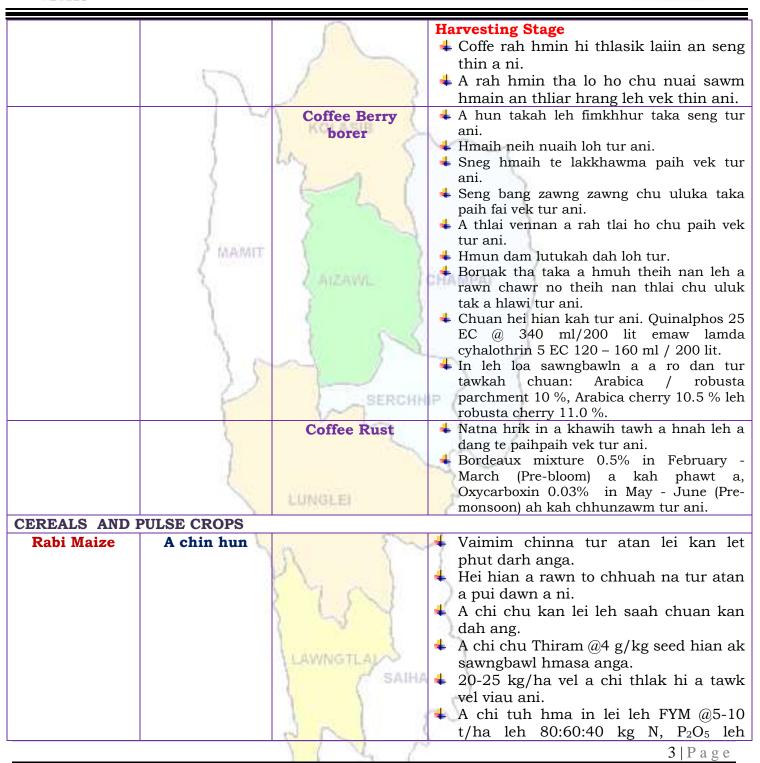


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS							
KHASI	A kui atanga	8	4 Thlasik laia thlai bul khoro lutuk tur				
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul				
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.				
LIME)	La J	4 Thlai naupang deuah chuan chawlh				
	(1 0 1	kar tin a tui pek thin tur ani.				
BANANA	1		4 Leia tha mamawh tawk a hmuh				
	1	2 5	theihna turin a hmunhma a hnim awm				
			te thlawhfai thin tur ani.				
STAR FRUIT	\$ MAMIT		4 A seng hma kar 6 chhung chu tui tha				
	/ 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				
			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 L	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	Sector Statements	Nursery stage				
	1	(Ph.)	+ Thlai chi thlak hma in Azospirillum leh				
		n ?~~	Phosphobacterium a enkawl tur ani.				
		1 16	+ A chi hi December – January ah hmun				
			zawl/rualrem 1.5 - 2.5 cm a in hlatin				
		2 1 5 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	Nitin tui pek tur ani a, a sat lutuka loh				
		SAIHA	nan niin a chhun loh nan zar hliah tur				
		(Carlina	ani.				
			4 Ni 45 hnu velah a tiak thin a,chu chu				
			bag ah an sawn chhuak leh thin ani.				
		FI TA C	2 P a g e				



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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	AIZAWL SERCHN	 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
		6100	4 P a g e



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



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ANIMAL HUSBE	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.
	{ MAIMIT	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 7	6 P a g e



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Preventive	0-3 rd week	 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. Ranikhet Disease- an pian atanga ni
measures	U-O WCCK	1-6 ah F1 vaccine pek tur ani a, chuan
	WY ()	a puitlingh chuan R ₂ B vaccine pek tur
2		ani.
	2 6	+ B complex with antibodies
	4 th weeks	Coccidiosis - Amprolium or
\$ MAGMIT		coccidiostat
- 1028567-23	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	AIZAWIL	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.
	2012	
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