

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: - 786/2018/ Bulletin/English

Period: 21 April – 25 April, 2018

Date of issue: 20th April, 2018

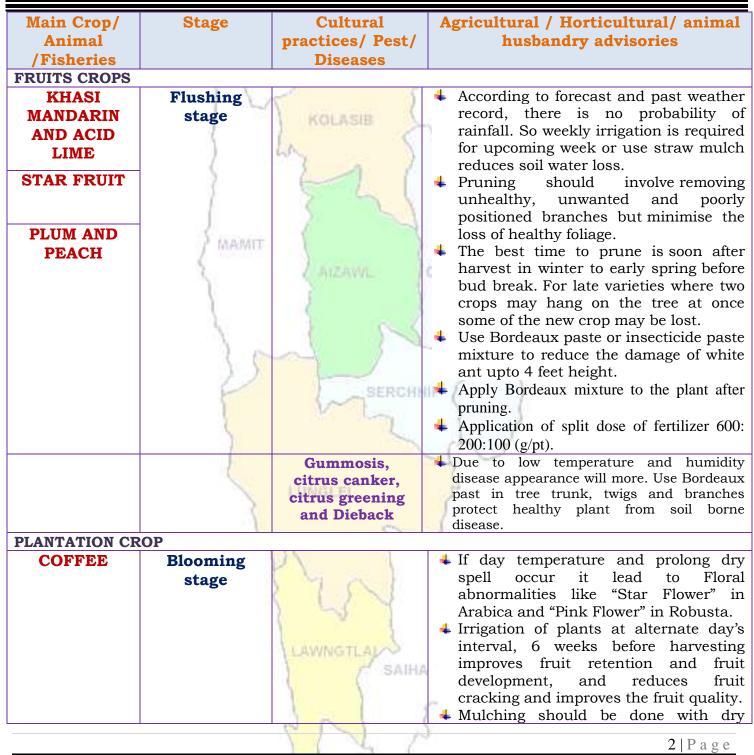
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	9	11	14	17	6	
Max Temp (°C)	28	28	28	28	28	
Min Temp (°C)	11	11	11	12	12	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear	
Max RH (%)	99	99	99	100	100	
Min RH (%)	47	42	42	51	43	
Wind Speed (KmpH)	3	2	3	3	2	
*Wind Direction	S-E	S-E	S-E	S-E	S	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
		-31, 2018 (Percent				
Aizawl- 8.42 mm	-		<mark>aiha-</mark> 11.37 mn		- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60mn		(10.80mm)	
Lawngtlai-7.84mm			Mamit-8.21mm		<mark>ip-6.37mm</mark>	
(3.40mm)		4.10mm)	(8.30mm	· · · · · · · · · · · · · · · · · · ·	(5.20mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather fo		om 21 st April, 2	2018 To	
three day		25 th April, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):97-		the next 5 da	ys may rang	e for 28°C a	nd 11-12 ⁰ C.	
Minimum RH (%):52-		Maximum relative humidity is expected in the range of 99-				
Wind Direction: Sout	heasterly	100% and mini	2	÷	U	
Cloud cover: Mainly	cloudy	would be southe	•			
Wind speed: 1-2 km/	nr	2-3 km per hour. Partially clear sky will prevail during the				
		next five days.	I di tidily cica	i ony win prove	in during the	
Rainfall: 35.7 mm		next nvc days.				
		Weekl	u oumulativo	rainfall: 57.0 1	m m	
NIDI/I Com Minores						
NDVI for Mizoram			5 5	condition oc	curs in all	
			districts of	Mizoram.		
		Frank III				
			1			
		AA To	lar.			
		Agriculture signur is moderate over some of the per-	ta Barth			
		195	350000			
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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 (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	I LEANING I LAY	4 Remove all weed plant from the
(Jhum)	Sowing stage	SAIHA	 Keinove an weed plant from the selected place. Keep the plant, leaves and wood for dry.
		PN A	3 Daga
			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
		1121	4 P a g e



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0	2	applied 30-40 days after transplanting Provide irrigation if water is require.
5	and the second sec	🔸 Low temperature and high humidi
	1 3	 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 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 systemate
	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.
	NJ V	 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.
	Fruiting to flowering stage Vegetative to flowering	Fruiting to flowering stage State Vegetative to flowering stage State Vegetative to flowering stage Fruit fly



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ICAR			
Potato	Harvesting		4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	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.
)	~~)	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4 Plough the field properly, at least 2-3
			times.
	1	(L)	4 Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAINIT		Sow 2-3 seed per whole.
	L massion	100000	↓ Spacing should be 30 X 20 cm.
Okra	Sowing stage	CONFUNE:	Plough the field with the help of spade.
		1	Sow 2 seed 45 X 45 cm spacing.
		5.	4 Before sowing seed provide one or two
	S	1 1	irrigation.
	1.0		+ Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY		<u> </u>
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
U U		(~)	kept in alleviated area and dry bedding
	2	and the second	(straw) to be provided to young
			animals.
	1		4 1 st injection at 6 months of age and
			2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		0	4 Reduce concentrate diet up to 5%.
	5	n (~~	+ Provide adequate potable water.
			🖊 In present weather conditions
			vaccinate against swine fever (Vaccines
		2 1 5 3	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			los
		NR I	
		V V V	6 P a g e
			Ulfage

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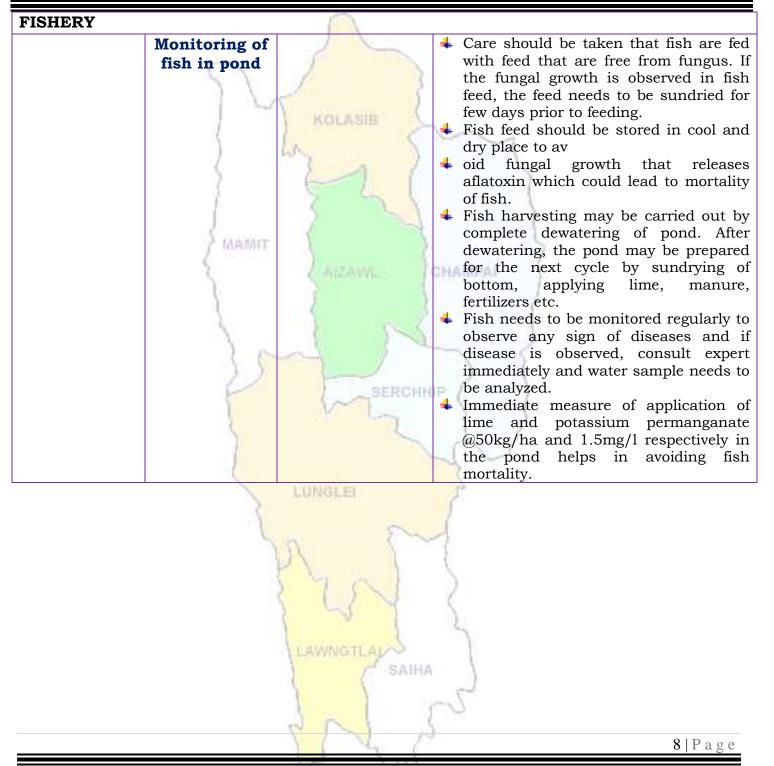


Cattle	All age group		4 In present weather conditions, special
	8. 8F		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5 2	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	()		feed
)	way s	Provide 10-30 ml of vitamin B-Complex
	S		in feed
	6	the second se	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
	MAMIT	1	vet supervision.
	1	S	 Separate sick animals.
	3.0	2 AIZAWIL /	The animal should be washed with
		2	lukewarm water added with little
		1	potash (KMnO4) or neem leaves.
		3 6 6	Long hair near the
	1		udder/stomach/back legs should be
			teamed short.
Poultry	All age group		 Provide preventive dose of anti-coccidial
roundry	All age group	SERCHN	drugs to poultry.
	1	V L	 Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	5	EMINGEEN.	Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	L.		recommended doses.
		11	↓ Vaccination as per the schedule with
			proper consultation with vet.
		0701	Day old chick: HVT Marek disease
			vaccine, 4-7 days:- F/Lasota, 14-18
		1 Y 1	days: Intermediate plus/IBD
		Contraction and the second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
		1 1	RD R-2B strain.
			4 Remove wet litter.



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LAWNGTLA SAIHA

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		P	4			
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018	
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Wind Speed (KmpH)	3	2	3	3	2	
*Wind Direction	S-E	S-E	S-E	S-E	S	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mor		l-31, 2018 (Percent				
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m		- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm	
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)	
Weather summary of	of the past	21st April – 2	5 th April, 20	18 chhunga	sik leh sa	
three day	s	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):52- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 1-2 km/2 Rainfall: 35.7 mm	4-16°C 100% 71% heasterly cloudy	tura beisei a ni. Khua a lum lai berin 28°C a ni ar vawh lai ber in 11-12°C ni tura beisei a ni. RH s berin 99-100% leh a hniam lai berin 42-51% ni tur niin. Thli hi darkar khatah 2-3 km yela chakin chh				
NDVI for Mizoram		North East Ragion 29 fas	Mildly dry districts of	condition oo Mizoram.	curs in all	
		1 Charles	1		1 P a g e	

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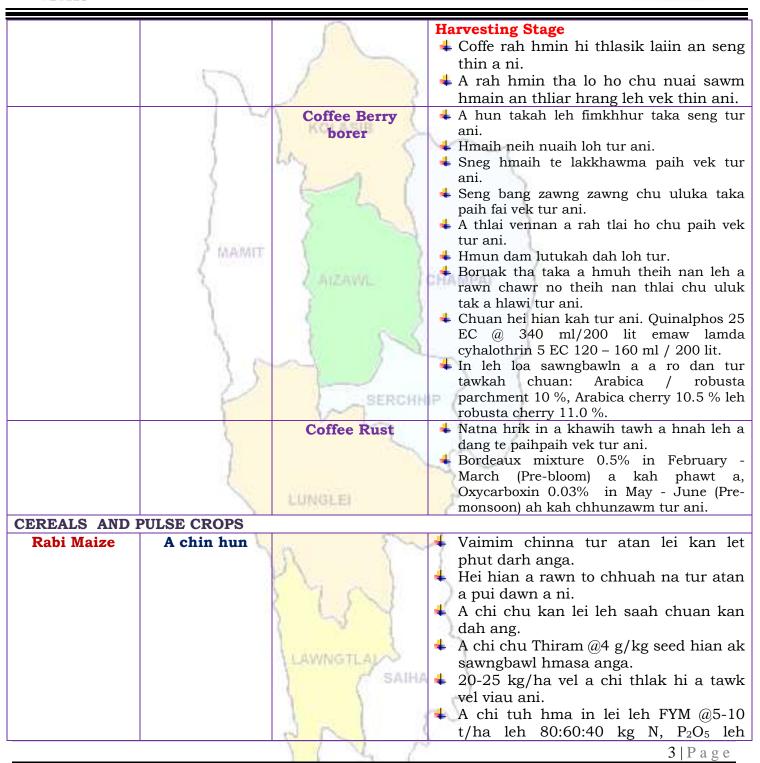


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah 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	 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
		6127	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.
		6 N 2	
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an 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.
	AMAINT	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.
		PN X	6 P a g e



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5.	\sum	 Tui an in tur chhawpna tur tha /liai 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	4 Ranikhet Disease- an pian atanga n
measures	LA.	1-6 ah F1 vaccine pek tur ani a, chuai a puitlingh chuan R ₂ B vaccine pek tu
5	1 1	ani.
3	Contraction of the second	4 B complex with antibodies
	4 th weeks	Coccidiosis - Amprolium o
2		coccidiostat
J ² MAGMIT	4-5 th Weeks	\downarrow Calcium tonic fortified with B ₁₂
FISHERY		CHAMPAL
Monitoring		🔸 Sangha te hi chaw a hmuar kai l
	1 1	chauh pek thin tur ani. Sangha chaw
(Sangha	3 al	lo hmuar anih chuan pek hma in ni sa
enkawl)		a phoro phawt tur ani.
		♣ Sangha chaw hi a hmuar lohna turin
11		hmun ro leh uap lutuk lo ah dahtha
-	SERCHN	tur ani a, hmuar atang a tur lo insean
3	V Land	thin, aflatoxin avang a sangha thi lal
S		atangin sangha a him phah thin.
		🔸 Dil sah kang veka sangha man thi
1		hian a kumleh a sangha khawinan a d
	LUNGLEI	buatsaih a ti awlsam a, dil mawn
2	Provide States and States an	phoro, chinai phul, leitha hman leh tu
	(B)(-)	dang in dil buatsaih tur ani.
5	n (~~	Sangha te natna lak atangin an him er
		tih enfiah fo a tha a, natna hmuh anil
	4 201	chuan mithiam te rawn vat a, diltu enfiah vat tur ani.
		4 A ranglam a chinai @50kg/ha lel
	1 -2 1	tuisen @1.5mg/l diltui a hman hiar
	And the second sec	sangha natna avang a thi tur la
	LAWNGTLAN	atangin a veng thei.
· · · · · ·	C SAIHA	
	2211	



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April – 25 April, 2018

Date of issue: 20th April, 2018

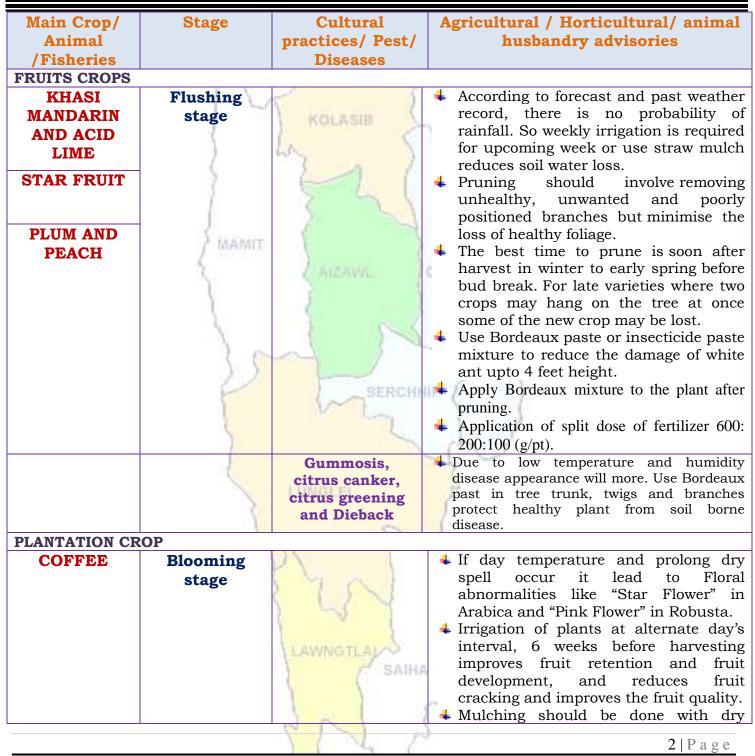
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018		
Rainfall (mm)	5	7	6	3	0		
Max Temp (°C)	28	28	28	28	28		
Min Temp (°C)	11	11	11	12	12		
Cloud Coverage	Partially clear		Partially clear	Mainly clear	Mainly clear		
Max RH (%)	89	97	98	98	96		
Min RH (%)	36	32	37	39	30		
Wind Speed (KmpH)	3	3	3	3	2		
*Wind Direction	S-E	S	S-E	S-E	S-E		
		Easterly- N-E, East		-			
		Westerly- <mark>S-W</mark> , We					
		-31, 2018 (Percent					
Aizawl- 8.42 mm			Saiha- 11.37 m		10.51 mm		
(4.20mm)		(5.10mm)	(3.60m	ım)	(10.80mm)		
Lawngtlai-7.84mm	Lungle	i-6.35mm	Mamit-8.21m	n Serchh	ip-6.37mm		
(3.40mm)		(4.10mm)	(8.30m	m)	(5.20mm)		
Weather summary	of the past	Weather for	recast valid fr	om 21 st April, 2	2018 To		
three day	s	25 th April, 2018.					
Maximum Tem. (°C):2	27-29°C	There are chances of light rainfall during the next 4 days.					
Minimum Tem. (°C):1	4-15°C	The maximum and minimum temperatures for the next 5					
Maximum RH (%):94-	98%	days may range for 28°C and 11-12°C. Maximum relative					
Minimum RH (%):57-0	69 %	humidity is expected in the range of 89-98% and minimum					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from 30-39		0			
Cloud cover: Mainly o	cloudy	0					
Wind speed: 2-3 km/	nr	to southerly and southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next					
		five days.	relative create only	wiii prevair aa	ing the next		
Rainfall: 41.5 mm		nve days.					
		Weekh	u cumulative i	rainfall: 21.0 1	mm		
NDVI for Mizoram		North East Region 24 fas		condition oc			
MDVI IOI MIZOIAIII		~	districts of		cuis in an		
		523	districts of	mizorani.			
		Con al					
		at the	- 100				
		•₿ •	ines.				
		Agrituiture rigour is moderate over some of the part region.	a Narth				
		201	350000				
		1 / V	12		1 Page		

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Dubbon	 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 Vegetat stage	
Oil plam Vegetat Harvest stage	 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 PULSE CRC	
Maize Sowing s (Jhum)	:age Image: Arrow and the selected place. Image: Arrow
	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 done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is
		RIZ 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 humidit
	50	2 3	 Apply any systemic insecticide 1. ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be don regularly to keep the crop free fror weeds and aeration of the root system. Harvest all mature fruits.
	1	24	 Provide irrigation if water is require. Apply any systemic insecticide treduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	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.
	}s	SERCHH	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will mat in dry weather. Apply any systemat
	2	~	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Chilli	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 us straw mulch reduces soil water loss.
		Nor 1	 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/1 fortnightly intervals at flowering and fru- initiation.
		P N S	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Potato			í.	
IULALU	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		5	-	harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	1	6	~	the moisture level in shed dry.
)	LA.		Keep 25% seed for next season sowing.
0	0	1 1 1	-	
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		2 21	+	Mix fertilizer with FYM 50:60:60Kg
	Commente	1		/ha.
	J' MAMIT	X 2	+	Sow 2-3 seed per whole.
	<u>S</u>	Laszana J		Spacing should be 30 X 20 cm.
Okra	Sowing stage	american 1	+	Plough the field with the help of spade.
		5	4	Sow 2 seed 45 X 45 cm spacing.
	A.S.	Sec. 1	4	Before sowing seed provide one or two
	S	1 1		irrigation.
	0.0		4	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY			<u> </u>
Pig	All stages	SERCHN		Animals must keep in dry place or
8		acronn	1 /	
				kept in alleviated area and dry bedding
		Vita	- 3	kept in alleviated area and dry bedding (straw) to be provided to young
	1	m		(straw) to be provided to young
	3	my		(straw) to be provided to young animals.
	}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4	(straw) to be provided to young animals. 1 st injection at 6 months of age and
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	+	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age
		LUNGLEI	the second	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
		LUNGLEI	- Constant	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
		LUNGLEI	the second	(straw) to be provided to young animals. 1 st 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%.
			the second second	(straw) to be provided to young animals. 1 st 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.
			the second and the	(straw) to be provided to young animals. 1 st 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
			A PARA A PARA	(straw) to be provided to young animals. 1 st 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
		A.S	Catal and a	(straw) to be provided to young animals. 1 st 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)
		Porcine		(straw) to be provided to young animals. 1 st 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
		Porcine Reproductive	a state vis	(straw) to be provided to young animals. 1 st 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)
		Porcine Reproductive Respiratory	a and a state of a	(straw) to be provided to young animals. 1 st 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)
		Porcine Reproductive	the set of	(straw) to be provided to young animals. 1 st 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)
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

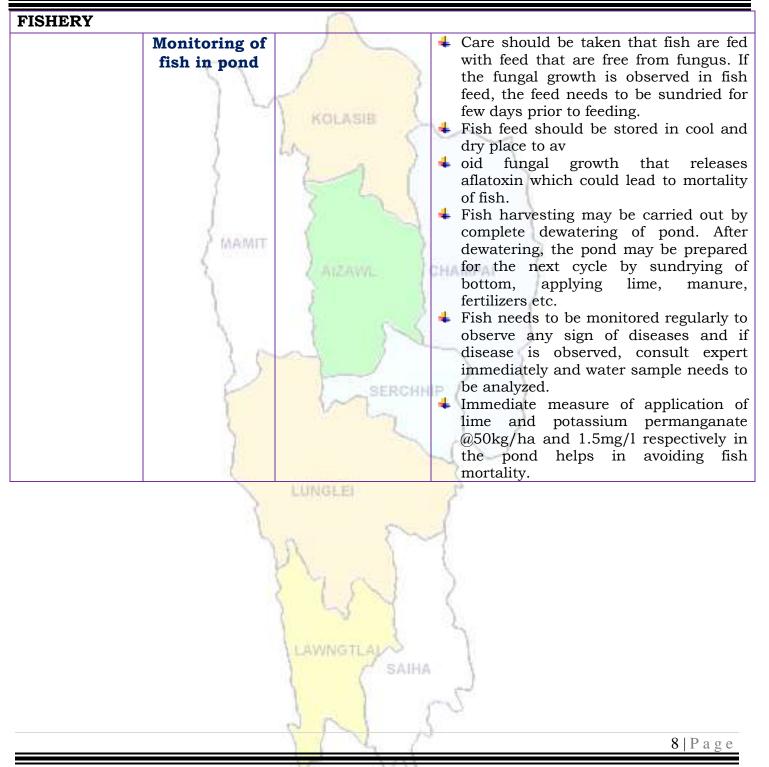


Cattle	All age group	0	4 In present weather conditions, special
	001		care should be taken against attack of
			maggots in the wounds of animals.
		1	Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		2	antibiotics for five days is advised.
		KOLASIB	+ Provide UMB/Molases if possible in the
	(	(. S	feed
	)	any is	<b>4</b> 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	CEL	injection after 6 months of 1 st injection
			followed by annual vaccination under
	AMAMIT		vet supervision.
	6 10255012		<ul> <li>Separate sick animals.</li> </ul>
	3.	ATZAWIL J	4 The animal should be washed with
			lukewarm water added with little
	1	5.	potash (KMnO4) or neem leaves.
	S.	1 6 6	Long hair near the
			udder/stomach/back legs should be
	140 5		teamed short.
Poultry	All age group	SEROUL	+ Provide preventive dose of anti-coccidial
•		SERCHN	drugs to poultry.
	5	N. Long	Proper ventilation of shed.
	N		4 Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	d'		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3		<b>+</b> Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	n (~~	recommended doses.
		1	+ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 5 3	> 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
		( (	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		6 1 1	7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District:** Champhai

Bulletin	<b>No:</b> -	786	/2018/	<b>Bulletin</b>	/Mizo
					10

Period: 21 April – 25 April, 2018

#### Date of issue: 20th April, 2018

	S 1	P	100				
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018		
Rainfall (mm)	5	7	6	3	0		
Max Temp (°C)	28	28	28	28	28		
Min Temp (°C)	11	11	11	12	12		
Cloud Coverage	Partially clear	r Partially clear	Partially clear	Mainly clear	Mainly clear		
Max RH (%)	89	97	98	98	96		
Min RH (%)	36	32	37	39	30		
Wind Speed (KmpH)	3	3	3	3	2		
*Wind Direction	S-E	S	S-E	S-E	S-E		
Northe	rly- N, North	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.			
Status of Pre Mo	nsoon- March	1-31, 2018 (Percent	t of deviation fro	m normal in pare	enthesis)		
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 m	im Kolasib	- 10.51 mm		
(4.20mm)		(5.10mm)	(3.60n		(10.80mm)		
Lawngtlai-7.84mm	Lungl	ei-6.35mm	Mamit-8.21m	m Serchh	ip-6.37mm		
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)		
Weather summary	of the past	<b>21st April – 2</b>	25 th April, 20	18 chhunga	sik leh sa		
three day	s	dinhmun tur tlangpui					
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):94- Minimum RH (%):57- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-3 km/2 Rainfall: 41.5 mm	4-15°C 98% 69% heasterly cloudy	Tun ni 4 chhur tura beisei a ni. vawh lai ber in berin 89-98% le niin. Thli hi dar awi zawngin a th hian khawthiang	Khua a lum l 11-12°C ni tu ch a hniam lai kar khatah 2-3 ch rin a ni. A tl g tak hmuh bei	ai berin 28ºC a ura beisei a ni berin 30-39% 3 km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin cin chhaklam i nga chhung		
		North East Region	<u> </u>				
NDVI for Mizoram		Appendix a lagar la noderate com some of the	districts of	[,] condition oc Mizoram.	ecurs in all		
		PN	2				
			1		1   Page		

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

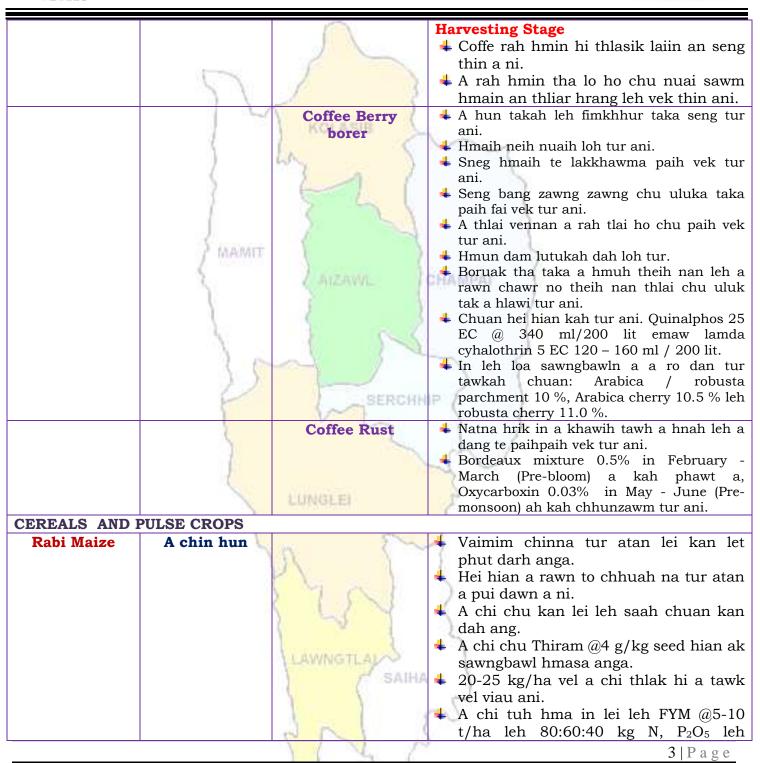


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal					
Animal		practices/ Pest/	husbandry advisories					
/Fisheries		Diseases						
FRUITS CROPS								
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur					
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul					
AND ACID	8	1 manufalle 2	velah dahkhawm tur ani.					
LIME	)	La l	4 Thlai naupang deuah chuan chawlh					
	(	1 1	kar tin a tui pek thin tur ani.					
BANANA	1		4 Leia tha mamawh tawk a hmuh					
	1	2 5	theihna turin a hmunhma a hnim awm					
		22	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					
	20	Z AIZAWIL /	leh a rah than that nan te leh a rah					
PLUM AND			keh tur lakah t a veng thei ani.					
PEACH	1							
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna					
		canker, citrus	laka vennan Bordeaux past hi thing zar leh					
		greening and	a trangah te hnawih tur ani.					
	11	Dieback						
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu					
	1	M Lang	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	10100 (1010) (101	Nursery stage					
	1	1000	+ Thlai chi thlak hma in Azospirillum leh					
	5	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 1	tlar mumal tak siam in chin tur ani.					
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a					
			buhpawla khuh tur ani.					
		LAWNGTLAL	Nitin tui pek tur ani a, a sat lutuka loh					
		SAIHA	nan niin a chhun loh nan zar hliah tur					
		( Carlina	ani.					
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu					
		1 2 1	bag ah an sawn chhuak leh thin ani.					
		8 N A						
2   P a g e								



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	5	$\sum$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR	Sowing stage	AIZAWL SERCHN	<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>
		6 1 1	4   P a g e



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



Onion and		KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
Onion and capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage		<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		PN 2	
			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).	1. Vawknote emaw vawk lak hran.		
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.		
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.		
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.		
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>		
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.		
		900	<b>6</b>   P a g e		



#### ICAR RESEARCH COMPLEX FOR NEH REGION



<ul> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai I chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s 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 insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin 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.</li> <li>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.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>				
Preventive measures       0-3 rd week       4 Ranikhet Disease- an pian atanga r         1-6 ah FI vacine pek tur ani a, chuar a puitingh chuan R ₀ B vaccine pek tu ani.       a puitingh chuan R ₀ B vaccine pek tu ani.         4 th weeks       4 Coccidiosis- Amprolium o coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B ₁₂ FISHERY       4.5th Weeks       4 Calcium tonic fortified with B ₁₂ FISHERY       4.5th Weeks       4 Calcium tonic fortified with B ₁₂ FISHERY       5 Sangha enkawl)       5 Sangha te hi chaw a hmuar kai I chauh pek thin tur ani.         Sangha enkawl)       5 Sangha te hi chaw a hmuar lohna turi hin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin.         Dil sah kang veka sangha khawinan a d buatsaih tur ani.       5 Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, dilt enfiah vat 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.		52	$\sum$	<ul> <li>tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh tu</li> </ul>
measures       1-6 ah F1 vaccine pek tur ani a, chual a puttingh chuan R2B vaccine pek tu ani.         4       B complex with antibodies         4       Coccidiosis- coccidiositat         4-5 th Weeks       Coccidiosis- coccidiositat         FISHERY       A-5 th Weeks         Monitoring (Sangha enkawl)       Sangha te hi chaw a hmuar kai 1 chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.         Sangha chaw hi       Sangha chaw hi a hmuar lohna turi himun ro leh uap lutuk lo ah datha 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.         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.		Dromontino	0.2 td moole	
<ul> <li>a puitlingh chuan R₂B vaccine pek tu ani.</li> <li>B complex with antibodies</li> <li>4th weeks</li> <li>Coccidiosis- Amprolium o coccidiostat</li> <li>4-5th Weeks</li> <li>Calcium tonic fortified with B₁₂</li> </ul> FISHERY Monitoring (Sangha enkawl) <ul> <li>Sangha te hi chaw a hmuar kai 1 chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turih hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear in, aflatoxin avang a sangha thi la atangin sangha a him phah thin. <ul> <li>Dil sah kang veka sangha man thih 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.</li> <li>Sangha te nata 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.</li> <li>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.</li> </ul></li></ul>		10	U-3 ** WEEK	
<ul> <li>ani.</li> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium oo coccidiosiat</li> <li>Coccidiosia- Coccidiosiat</li> <li>Calcium tonic fortified with B12</li> <li>FISHERY</li> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai I chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turi himun 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.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a duuatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>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.</li> <li>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.</li> </ul>		measures	way in the	
<ul> <li>Ath weeks</li> <li>Ath weeks</li> <li>Coccidiosis- coccidiostat</li> <li>Calcium tonic fortified with B₁₂</li> <li>FISHERY</li> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai I chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in is a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turi hmun ro leh uap luttuk lo ah dahta tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thii 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.</li> <li>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.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur la atangin a veng thei.</li> </ul>		S		
4th weeks       4 Coccidiosis- coccidiostat       Amprolium oo coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B12         FISHERY       4 Sangha te hi chaw a hmuar kai 1 chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.         * Sangha chaw hi enkawi)       * Sangha te hi chaw 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 anii 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 atangin a veng thei.		5	5 6	
FISHERY         Monitoring (Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha enkawl)         Sangha te hi chaw a hmuar kai 1 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 lai atangin sangha a him phah thin.         Dil sah kang veka sangha man thin hin 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 anii 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 hiai sangha natna avang a thi tur lai atangin a veng thei.			4 th weeks	
FISHERY Monitoring (Sangha enkawl)  SERCE		a second		-
<ul> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai I chauh pek thin tur ani. Sangha chaw 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 insear thin, aflatoxin avang a sangha thi lai atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur anii.</li> <li>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.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>		J. WEGNIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
<ul> <li>(Sangha enkawl)</li> <li>(Sangha enkawl)</li> <li>(Sangha enkawl)</li> <li>(Sangha enkawl)</li> <li>(Sangha chaw hi a hmuar pek hma in ni s a phoro phawt tur ani.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiat sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>	FISHERY	8	ANZAWAL I	CHAMPAL
71Daga		(Sangha		<ul> <li>chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna tur 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.</li> <li>Dil sah kang veka sangha man the hian a kumleh a sangha khawinan a cibuatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh tur dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh and chuan mithiam te rawn vat a, dilt enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha letuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
			6 1 1	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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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, Cumpber())

Guwahati)



#### **District: Kolasib**

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April – 25 April, 2018

#### Date of issue: 20th April, 2018

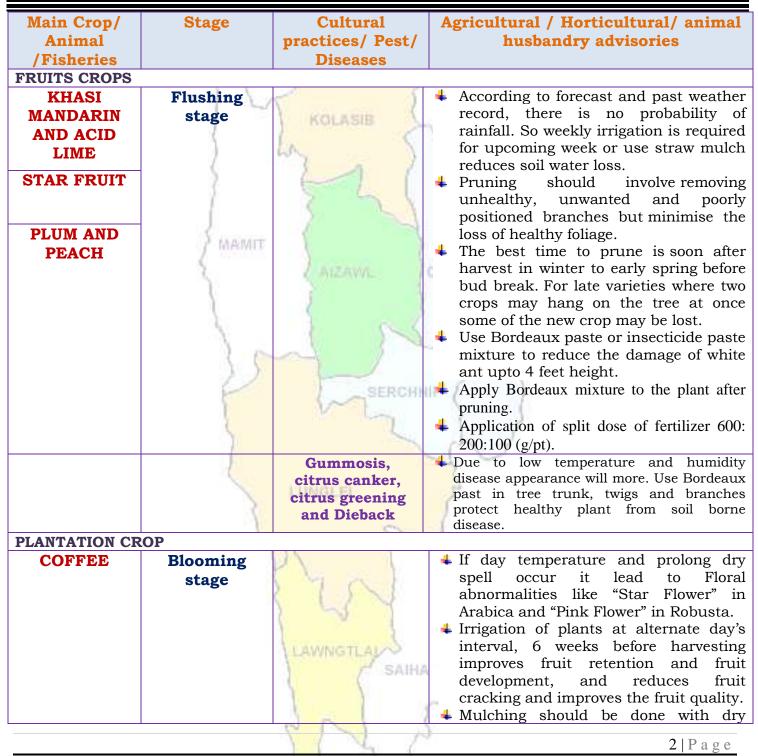
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	3	7	9	4	3	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Partially clear		Partially clear	Mainly clear	Mainly clear	
Max RH (%)	100	100	100	100	100	
Min RH (%)	41	42	45	52	44	
Wind Speed (KmpH)	3	2	2	4	2	
*Wind Direction	S-E	E	S-E	S	S-W	
Northe	rly- N, North	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,		
		Westerly- <mark>S-W</mark> , We				
		1-31, 2018 (Percent			enthesis)	
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m	m Kolasib	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm	
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 21 st April, 2018 To				
three day		25 th April, 2018.				
Maximum Tem. (°C):2		There are chances of light rainfall during the next 5 days.				
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5				
Maximum RH (%):77-		days may range for $30^{\circ}$ C and $15^{\circ}$ C. Maximum relative				
Minimum RH (%):52-		humidity is expected in the range of 100% and minimum				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from 41-52%. Wind direction would be southeasterly				
Cloud cover: Mainly		to easterly to southeasterly to southerly and southwesterly				
Wind speed: 2-3 km/	hr	with the wind speed of 2-4 km per hour. Partially clear sky				
		will prevail during the next five days.				
Rainfall: 69.4 mm						
		Weekly cumulative rainfall: 26.0 mm				
NDVI for Mizoram		North East Region III for Item Mildly dry condition occurs in all				
NDVI IOI MIZOTAIII		districts of Mizoram.				
		districts of Mizoram.				
		Con d	_			
		at 1				
		• Ø	ters.			
		Agriculture signur is modulate over some of the per- region.	ta Narth			
		N N N	3.6000			
		114	[**		1   Page	

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ICAR RESEARCH COMPLEX FOR NEH REGION







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	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	AIZAWL	<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'ENUIDIES -	<b>4</b> Remove all weed plant from the
(Jhum)	Sound Stuge	SAIHA	<ul> <li>Keep the plant, leaves and wood for dry.</li> </ul>
		P N N	<b>2</b>   <b>D</b> o o o
			3   P a g e



**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	<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>
		RIV 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	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 dorn regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> </ul>
ĺ	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	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	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenor fertilizer to the plant.</li> <li>Fruit and shoot borer attack will ma in dry weather. Apply any systematic</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		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	<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 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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



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	<b>4</b> 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 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 a start of the	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.
			<ul> <li>Reduce concentrate diet up to 5%.</li> </ul>
			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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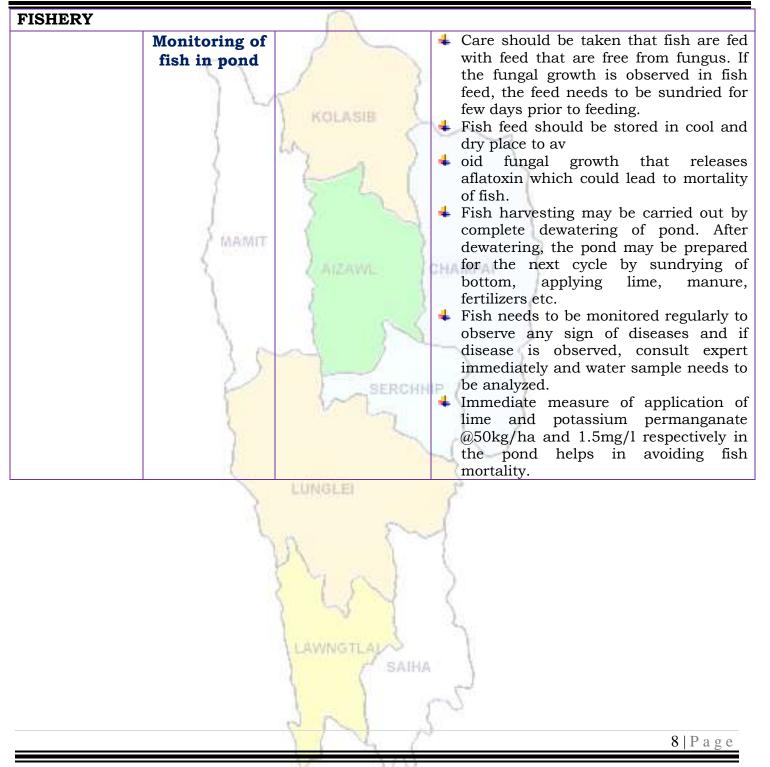


Cattle	All age group		4 In present weather conditions, special
	"Bo B.o."		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 5	wounds followed by application of
		5 )	antibiotics for five days is advised.
		KOLASIE	<ul> <li>Provide UMB/Molases if possible in the</li> </ul>
	(	(	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.
	30	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
	1		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	<b>4</b> 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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



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**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: - 786/2018/	Bulletin/Mizo

Period: 21 April – 25 April, 2018

### Date of issue: 20th April, 2018

		- <b>SA</b> C	1. C.			
Parameters	21.04.2018		23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	3	7	9	4	3	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear	
Max RH (%)	100	100	100	100	100	
Min RH (%)	41	42	45	52	44	
Wind Speed (KmpH)	3	2	2	4	2	
*Wind Direction	S-E	E	S-E	S	S-W	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mor	nsoon- March 1	-31, 2018 (Percent	of deviation from	m normal in pare	enthesis)	
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 m	m Kolasib	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m	n Serchh	ip-6.37mm	
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)	
Weather summary	of the past	21 st April – 2	5 th April, 20	18 chhunga	sik leh sa	
three day	s		dinhmun tu			
Maximum Tem. (°C):2	290C				i tla miablo	
Minimum Tem. (°C):1		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30ºC a ni ang a. A				
Maximum RH (%):77-		vawh lai ber in			0	
Minimum RH (%):52-		100% leh a hnia				
Wind Direction: Sout	hoostor!					
Cloud cover: Mainly o	loudy	hi darkar khat				
Wind speed: 2-3 km/	hr	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
		hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 69.4 mm						
		Weekl	y cumulative	<mark>rainfall:</mark> 26.0r	nm	
NDVI for Mizoram		North East Region 24 fee	Mildly drv	condition oc	curs in all	
		~~ =	districts of			
		STR .				
			-			
		-A ==	No. of Concession, Name			
		Agriculture signer is moderate over some of the part region.	s Narth			
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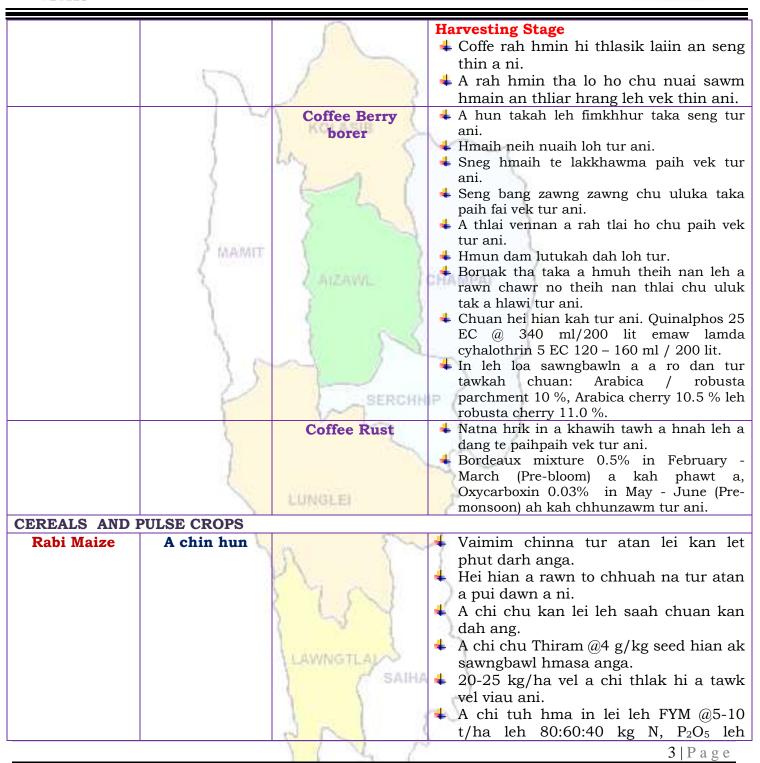


	-		
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	5	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	(	0	velah dahkhawm tur ani.
LIME	)	6A )	4 Thlai naupang deuah chuan chawlh
BANANA	S	2 1	kar tin a tui pek thin tur ani. <b>4</b> Leia tha mamawh tawk a hmuh
DANANA	5	Star La L	theihna turin a hmunhma a hnim awm
		$\langle f \rangle$	te thlawhfai thin tur ani.
STAR FRUIT	2		A seng hma kar 6 chhung chu tui tha
STAR FRUIT	/ MAMIT		taka pek hian a rah tla tur chelh nan
	S	LAIZAWAL 1	leh a rah than that nan te leh a rah
PLUM AND		Concentrate: 1	keh tur lakah t a veng thei ani.
PEACH		5	
	200	Gummosis, citrus	<b>4</b> Temperture hniam lutuk leh hnawng vang
		canker, citrus	hian natna a a tam duh a . Soil bome natna
	2 6	greening and	laka vennan Bordeaux past hi thing zar leh
		Dieback	a trangah te hnawih tur ani.
	8	Fruit fly RCHH	+ Huan zau takah chuan a par tan tirh leh a
	1	V	rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR	ОР		
COFFEE	All stages	and the second	Nursery stage
	1	100	+ Thlai chi thlak hma in Azospirillum leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		A Real	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			Chuan a chi chu lei tlem te a chhilh a
		2 -3 1	buhpawla khuh tur ani.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 1	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
		1 II II	bag ah an sawn chhuak leh thin ani.
		N N S	
		VIV C	2   P a g e



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







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Services			<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah</li> </ul>
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		<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



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



Onion and	Numerous	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage		<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		00	
			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.
		8 N 2	<b>6</b>   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /liam tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga n
	measures	la S	1-6 ah F1 vaccine pek tur ani a, chuar
	1	~~~ )	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1		B complex with antibodies
		4 th weeks	<b>4 Coccidiosis</b> - Amprolium o
	FMAMIT		coccidiostat
	Z. 1055005	4-5 th Weeks	+ Calcium tonic fortified with $B_{12}$
FISHERY	1	( AIZAWIL )	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 inseam thin, aflatoxin avang a sangha thi lai 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 mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lai atangin a veng thei.</li> </ul>
		C N	710
			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,

Guwahati)



### **District:** Lawngtlai

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April - 25 April, 2018

### Date of issue: 20th April, 2018

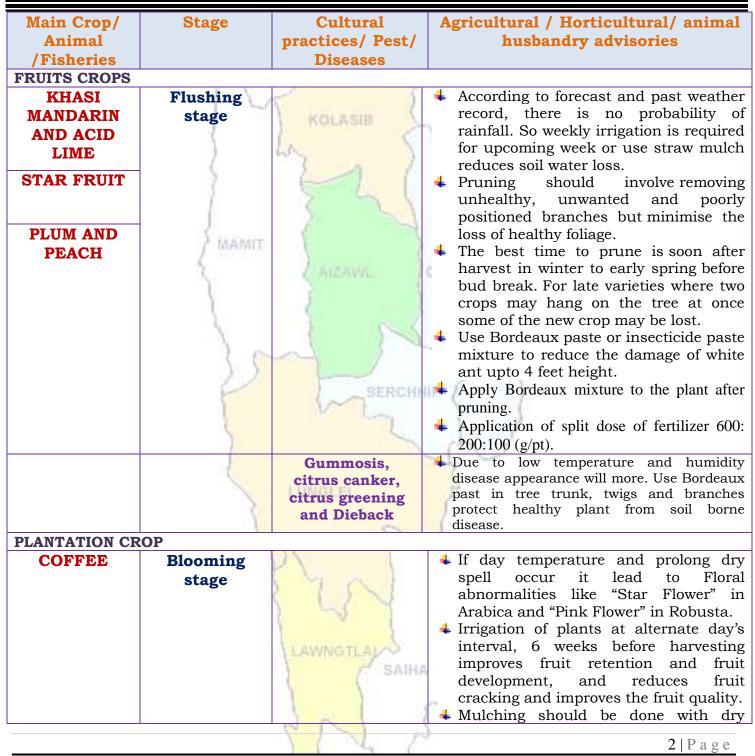
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	9	5	8	12	6	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Partially clear	-	Partially clear	Mainly clear	Mainly clear	
Max RH (%)	98	96	98	99	98	
Min RH (%)	42	38	38	43	36	
Wind Speed (KmpH)	2	3	2	2	2	
*Wind Direction	E	S-E	E	N-E	S-W	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mor	nsoon- March 1	-31, 2018 (Percent				
Aizawl- 8.42 mm	Champha		Saiha- 11.37 m	m Kolasib	10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	<b>i-6.35mm</b>	Mamit-8.21mr		<b>ip-6.37mm</b>	
(3.40mm)		(4.10mm)	(8.30m	•	(5.20mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather for		om 21 st April, 2	2018 To	
three day		25 th April, 2018.				
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the				
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):82-		the next 5 days may range for 30°C and 15°C. Maximum				
Minimum RH (%):55-		relative humidity is expected in the range of 96-99% and				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	minimum may from 36-43%. Wind direction would be				
Cloud cover: Mainly o	cloudy	easterly to southeasterly to easterly to northeasterly and				
Wind speed: 2-3 km/	nr	southwesterly with the wind speed of 2-3 km per hour.				
Rainfall: 35.3 mm		Partially clear sky will prevail during the next five days.				
Kainiali: 35.3 mm		r ar thany croar on	., in protair a		are days.	
		Weekh	u cumulative i	r <mark>ainfall:</mark> 40.0 1	mm	
NDVI for Mizoram		North East Region 21 In		condition oc		
MDVI IOI MIZOIAIII		~	districts of		cuis in an	
		5000	uistricts of	mizorani.		
		Con d	-			
		A A	-			
		. A.	- mar.			
		Agriculture elgium's moderate over some of the part region.	s Narth			
		N N	350000			
			12		1   P a g e	

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ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Dubbon	<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 Vegetat stage	
Oil plam Vegetat Harvest stage	<ul> <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 PULSE CRC	
Maize Sowing s (Jhum)	<b>:age</b> Image: Arrow and the selected place.      Image: Arrow
	3   P a g e



**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	<ul> <li>applied 30-40 days after transplanting</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidit</li> </ul>
	5	2 3	<ul> <li>Apply any systemic insecticide 1.</li> <li>ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be don regularly to keep the crop free fror weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> </ul>
	1	24	<ul> <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 rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
	}s	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 mat in dry weather. Apply any systemat</li> </ul>
	2	~	<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		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.
		Nor 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 ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
		P N S	5   P a g e



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



Potato			í.	
IULALU	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		5	-	harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	1	6	~	the moisture level in shed dry.
	)	LA.		Keep 25% seed for next season sowing.
0	0	1 1 1	-	
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		2 21	+	Mix fertilizer with FYM 50:60:60Kg
	Commente	1		/ha.
	J' MAMIT	X 2	+	Sow 2-3 seed per whole.
	<u>S</u>	Laszana J		Spacing should be 30 X 20 cm.
Okra	Sowing stage	american 1	+	Plough the field with the help of spade.
		5	4	Sow 2 seed 45 X 45 cm spacing.
	A.S.	Sec. 1	4	Before sowing seed provide one or two
	S	1 1		irrigation.
	0.0		4	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY			<u> </u>
Pig	All stages	SERCHN	- <b>4</b> 1	Animals must keep in dry place or
8		acronn	1 /	
				kept in alleviated area and dry bedding
		Vita	- 3	kept in alleviated area and dry bedding (straw) to be provided to young
	1	m		(straw) to be provided to young
	}	my		(straw) to be provided to young animals.
	}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4	(straw) to be provided to young animals. 1 st injection at 6 months of age and
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	+	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age
		LUNGLEI	the second	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
		LUNGLEI	- Constant	(straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
		LUNGLEI	the second	(straw) to be provided to young animals. 1 st 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%.
			the second second	(straw) to be provided to young animals. 1 st 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.
			the second and the	(straw) to be provided to young animals. 1 st 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
			A PARA A A	(straw) to be provided to young animals. 1 st 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
		A.S	Catal and a	(straw) to be provided to young animals. 1 st 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)
		Porcine		(straw) to be provided to young animals. 1 st 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
		Porcine Reproductive	a state vis	(straw) to be provided to young animals. 1 st 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)
		Porcine Reproductive Respiratory	a and a state and a	(straw) to be provided to young animals. 1 st 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)
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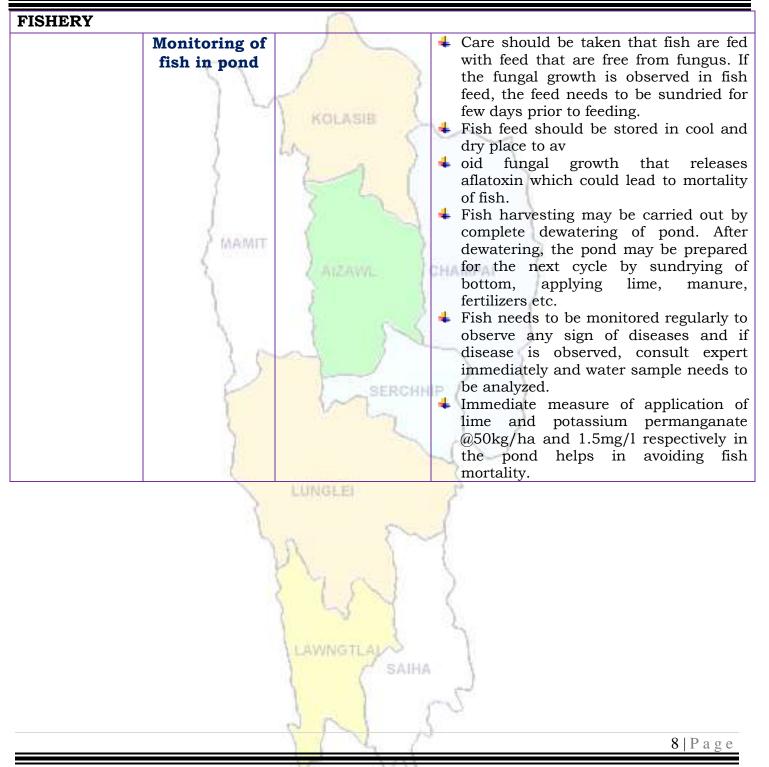


Cattle	All age group	0	4 In present weather conditions, special
	001		care should be taken against attack of
			maggots in the wounds of animals.
		1	Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		2	antibiotics for five days is advised.
		KOLASIB	+ Provide UMB/Molases if possible in the
	((. S	feed
)	any is	4 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	CEL	injection after 6 months of 1 st injection
			followed by annual vaccination under
	AMAMIT		vet supervision.
	6 10255012		 Separate sick animals.
	3.	ATZAWIL J	4 The animal should be washed with
			lukewarm water added with little
	1	5.	potash (KMnO4) or neem leaves.
	S.	1 6 6	Long hair near the
			udder/stomach/back legs should be
	140 5		teamed short.
Poultry	All age group	SEROUL	+ Provide preventive dose of anti-coccidial
•		SERCHN	drugs to poultry.
	5	N. Long	Proper ventilation of shed.
	N		4 Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	d'		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3		+ Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	5	n (~~	recommended doses.
		1	+ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 53	> 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
		((fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		6 1 1	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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LAWNGTLA SAIHA

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: Lawngtlai

Bulletin No: - 786/2018/ Bulletin/Mi	zo
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Period: 21 April - 25 April, 2018

Date of issue: 20th April, 2018

		- 10 M	3.5		
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Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,	·
		Westerly- <mark>S-W</mark> , We			
Status of Pre Mor	nsoon- March 1	-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)
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(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m	m Serchh	ip-6.37mm
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary of	of the past	21st April – 2	5 th April, 20	18 chhunga	sik leh sa
three day	s		dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):82- Minimum RH (%):55- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-3 km/1 Rainfall: 35.3 mm	5-16°C 99% 72% heasterly cloudy		Khua a lum l 5°C ni tura be iam lai berin 3 ah 2-3 km v rin a ni. A tla g tak hmuh bei	ai berin 30ºC a isei a ni. RH sa 66-43% ni tur a 7ela chakin ch ngpuiin tun ni	a ni ang a. A n lai berin of rin niin. Thli haklam awi nga chhung
NDVI for Mizoram		North East Region 29 for	Moderately conditions	wet mildly dr	y/mildly wet
		VIL	12		1 Page

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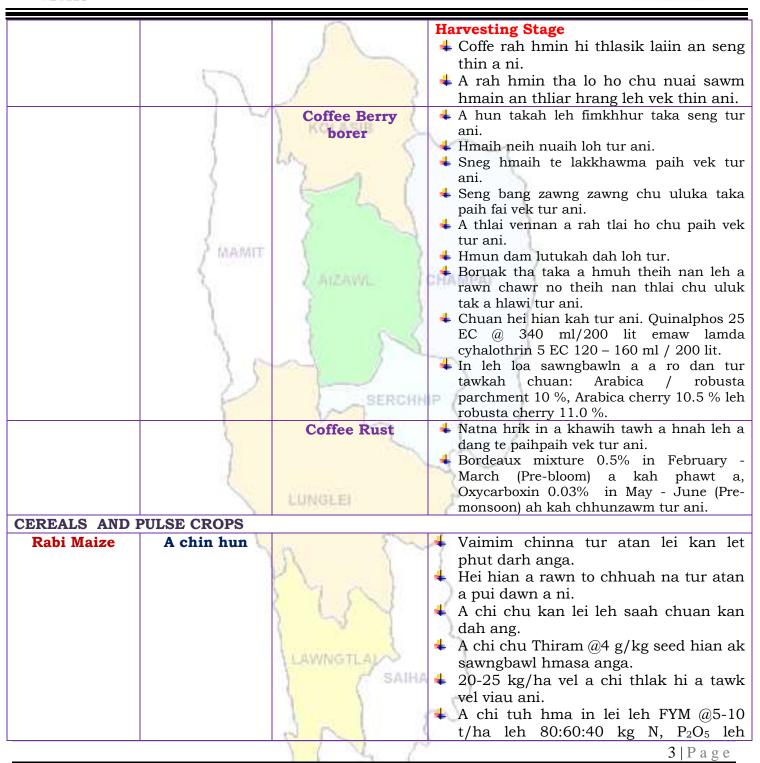


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	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	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
	20	Z AIZAWIL	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	11111111111111111111111111111111111111	Nursery stage
	1	100 C	+ Thlai chi thlak hma in Azospirillum leh
	1	n ?~~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	ani. Ni 45 hara aralah a tiala thia a alay alay
			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		 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	Numerous	KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah 	
capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. 	
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. 	
French bean	Sowing stage	LUNGLEI	 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. 	
		1 4 6	5 P a g e	



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



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		0-3 rd week	 Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani. Ranikhet Disease- an pian atanga n
	Preventive	U-3 " week	Ranikhet Disease- an pian atanga r 1-6 ah F1 vaccine pek tur ani a, chua
	measures	217	 a puitlingh chuan R₂B vaccine pek tu ani. B complex with antibodies
		4 th weeks	
		T- WCCKS	Coccidiosis- Amprolium o coccidiostat
	/ MAGNIT	4-5 th Weeks	 Calcium tonic fortified with B₁₂
FISHERY	5		
	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 hiar sangha natna avang a thi tur la atangin a veng thei.
		201	4 ⁰⁰⁵⁴
		1 4	7 P a g e



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Guwahati)



District: Lunglei

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April - 25 April, 2018

Date of issue: 20th April, 2018

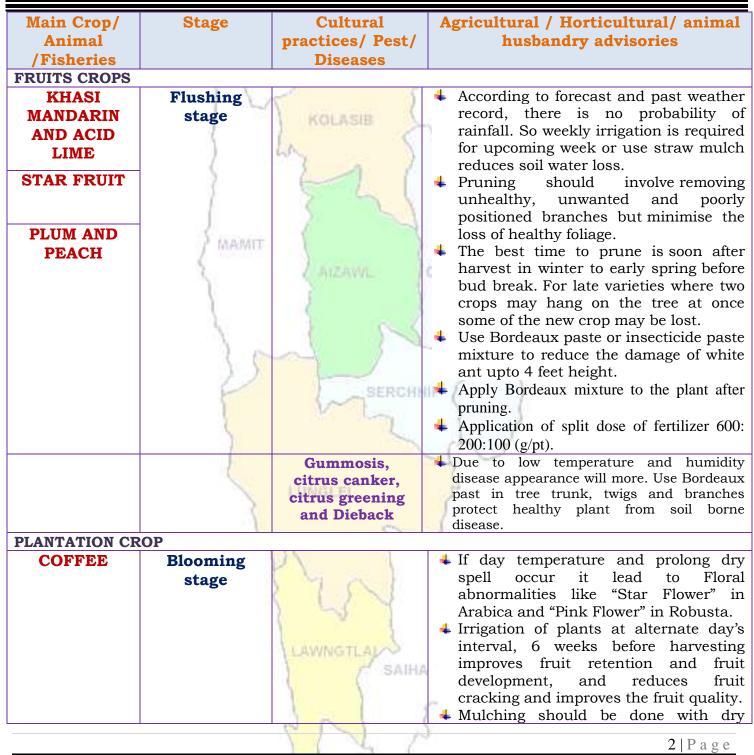
		- 16 C	4.4					
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018			
Rainfall (mm)	8	3	8	14	5			
Max Temp (°C)	30	30	30	30	30			
Min Temp (°C)	15	15	15	15	15			
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear			
Max RH (%)	100	99	100	100	100			
Min RH (%)	44	42	43	51	42			
Wind Speed (KmpH)	3	2	2	2	2			
*Wind Direction	E	E	E	E	N			
Northe	rly- N, North	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,				
		Westerly- <mark>S-W</mark> , We						
Status of Pre Mor	nsoon- March	1-31, 2018 (Percent						
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 m	im Kolasib	- 10.51 mm			
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)			
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm			
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)			
Weather summary of	of the past	Weather forecast valid from 21 st April, 2018 To						
three day	s	25 th April, 2018.						
Maximum Tem. (°C):2	23-24°C	There are chances of moderate to light rainfall during the						
Minimum Tem. (°C):1	2-13°C	next 5 days. The maximum and minimum temperatures for						
Maximum RH (%):97-	100%	the next 5 days may range for 30° C and 15° C. Maximum						
Minimum RH (%):58-74%		relative humidity is expected in the range of 99-100% and						
	Wind Direction: Southeasterly		minimum may from 42-51%. Wind direction would be					
Cloud cover: Mainly o								
Wind speed: 2-3 km/	hr	easterly to northerly with the wind speed of 2-3 km per						
		hour. Partially clear sky will prevail during the next five						
Rainfall: 41.2 mm		days.						
		Weekly cumulative rainfall: 38.0 mm						
NDVI for Mizoram		North East Neglon 24 Jan	5 5	condition oc	curs in all			
			districts of	Mizoram.				
		Piller III	-					
		CT.	1					
		And the state of a moderate part and the set	a facto					
		ngen						
		612	19		1 D a a c			
					1 Page			

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	2	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	Leanua real	4 Remove all weed plant from the
(Jhum)	John Bougo	SAIHA	 selected place. Keep the plant, leaves and wood for dry.
		PN A	3 P a g e
			5 1 4 g C



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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
		NN A	4 P a g e



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0	2	applied 30-40 days after transplanting Provide irrigation if water is require.
5	and the second sec	🔸 Low temperature and high humidi
	1 3	 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 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 systemate
	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.
	NJ V	 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.
	Fruiting to flowering stage Vegetative to flowering	Fruiting to flowering stage State Vegetative to flowering stage State Vegetative to flowering stage Fruit fly



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ICAR			
Potato	Harvesting	0	4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
			4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	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.
)	~~)	Keep 25% seed for next season sowing.
Cowpea	Sowing stage		4 Plough the field properly, at least 2-3
			times.
	1	(L)	4 Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAINIT		Sow 2-3 seed per whole.
	L massion	100000	↓ Spacing should be 30 X 20 cm.
Okra	Sowing stage	CONFUNE:	Plough the field with the help of spade.
		1	Sow 2 seed 45 X 45 cm spacing.
		5.	4 Before sowing seed provide one or two
	S	1 1	irrigation.
	1.0		+ Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY		
Pig	All stages	SERCHN	🔸 Animals must keep in dry place or
U		(~)	kept in alleviated area and dry bedding
	2	and the second	(straw) to be provided to young
			animals.
	1		4 1 st injection at 6 months of age and
			2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3		vet supervision against FMD.
		0	4 Reduce concentrate diet up to 5%.
	5	n (~~	+ Provide adequate potable water.
			🖊 In present weather conditions
			vaccinate against swine fever (Vaccines
		2 1 5 3	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			los
		NR I	
		V V V	6 P a g e
			Ulfage

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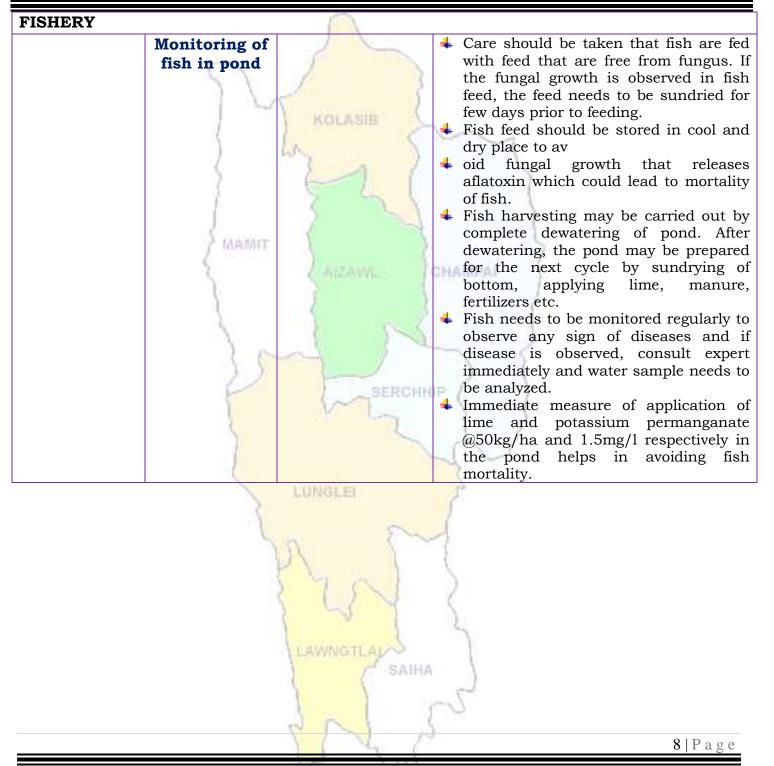


Cattle	All age group		4 In present weather conditions, special
	9. 9F		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5 2	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	()		feed
)	way s	Provide 10-30 ml of vitamin B-Complex
	S		in feed
	6	the second se	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
	MAMIT	1	vet supervision.
	1	S	 Separate sick animals.
	30	2 AIZAWIL /	The animal should be washed with
		2	lukewarm water added with little
		1	potash (KMnO4) or neem leaves.
		3 6 6	Long hair near the
	1		udder/stomach/back legs should be
			teamed short.
Poultry	All age group		 Provide preventive dose of anti-coccidial
roundry	All age group	SERCHN	drugs to poultry.
	1	V L	 Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	5	EMINGEEN.	Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
	L.		recommended doses.
		11	↓ Vaccination as per the schedule with
			proper consultation with vet.
		0701	Day old chick: HVT Marek disease
			vaccine, 4-7 days:- F/Lasota, 14-18
		1 Y 1	days: Intermediate plus/IBD
		Contraction and the second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
		1 1	RD R-2B strain.
			4 Remove wet litter.



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LAWNGTLA SAIHA

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R RESEARCH COMPLEX FOR NEH REGION ICA

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

Guwahati)



District: Lunglei

Bulletin	No: -	786	/2018/	B	ulletin/	Mizo
					30 0	0

Period: 21 April – 25 April, 2018

Date of issue: 20th April, 2018

		1.1				
Parameters	21.04.2018		23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	8	3	8	14	5	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear	
Max RH (%)	100	99	100	100	100	
Min RH (%)	44	42	43	51	42	
Wind Speed (KmpH)	3	2	2	2	2	
*Wind Direction	E	E	E	E	N	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mor	nsoon- March	-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)	
Aizawl- 8.42 mm	Champh	<mark>ai-</mark> 9.28 mm	Saiha- 11.37 m	m Kolasib	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		<mark>ip-6.37mm</mark>	
(3.40mm)		(4.10mm)	(8.30m	· · · · · ·	(5.20mm)	
Weather summary of		21st April – 2	5 th April, 20	18 chhunga	sik leh sa	
three day	s		dinhmun tu			
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):58- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-3 km/1 Rainfall: 41.2 mm	2-13°C 100% 74% heasterly cloudy	 tura beisei a ni. Khua a lum lai berin 30°C a ni ang vawh lai ber in 15°C ni tura beisei a ni. RH san lai 99-100% leh a hniam lai berin 42-51% ni tur a rin Thli hi darkar khatah 2-3 km yela chakin chhaklar 				
NDVI for Mizoram		North East Region 29 for	Mildly dry districts of	condition oc Mizoram.	curs in all	
		1 N	1		1 Page	



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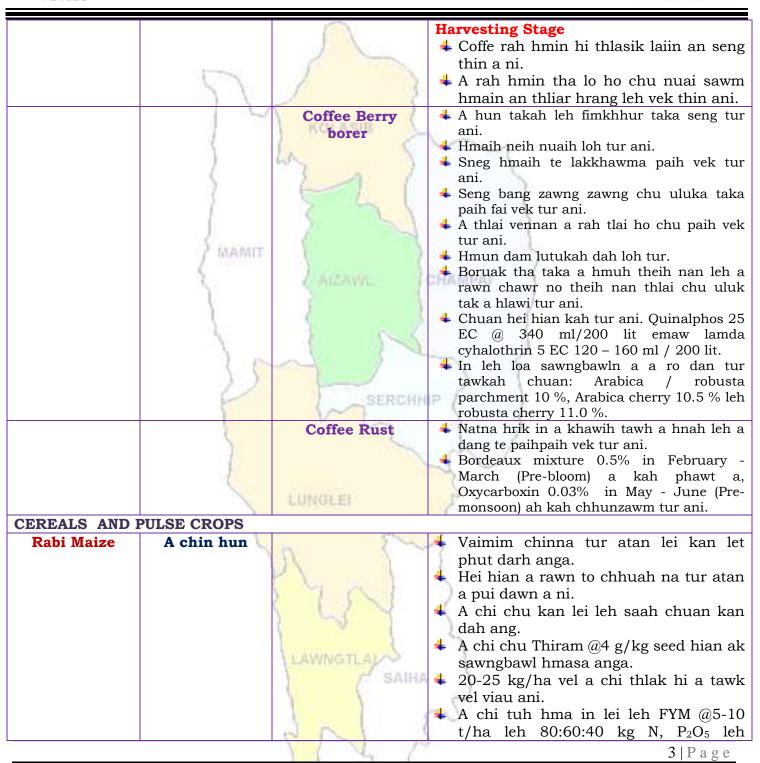


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.
LIME)	LA.	4 Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 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	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
ГЕАСП		Cummonia eiterra	4 Temperture hniam lutuk leh hnawng vang
	S	Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
	1	canker, citrus greening and	laka vennan Bordeaux past hi thing zar leh
	1	Dieback	a trangah te hnawih tur ani.
	0	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu
	5		heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
DI ANTATION OD	0.7		10 g/l.
PLANTATION CR		LUNGLES	Numerows store
COFFEE	All stages		Nursery stage Thlai chi thlak hma in Azospirillum leh
	1	555	Phosphobacterium a enkawl tur ani.
		N (~~	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		MY Cat	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		Longe margane and	4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		, SAIHA	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
		NN S	
		VI L 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	AIZAVAL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



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Onion and	Nursery stage	Poly house	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	MAINIT	AIZAWAL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 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
		PN 2	
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 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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	52	5	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani a
	Preventive	0-3 rd week	ani. 4 Ranikhet Disease- an pian atanga n
	10	U-3 " week	Ranikhet Disease- an pian atanga n 1-6 ah F1 vaccine pek tur ani a, chuar
	measures	LA J	a puitlingh chuan R_2B vaccine pek tu
	S		ani.
	5	State 1	✤ B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium or
	R. marine		coccidiostat
	/ MAIMIT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	8	A ATZAWAL	CHAMPAL
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai 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 thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. 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.
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		1 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: Mamit

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April – 25 April, 2018

Date of issue: 20th April, 2018

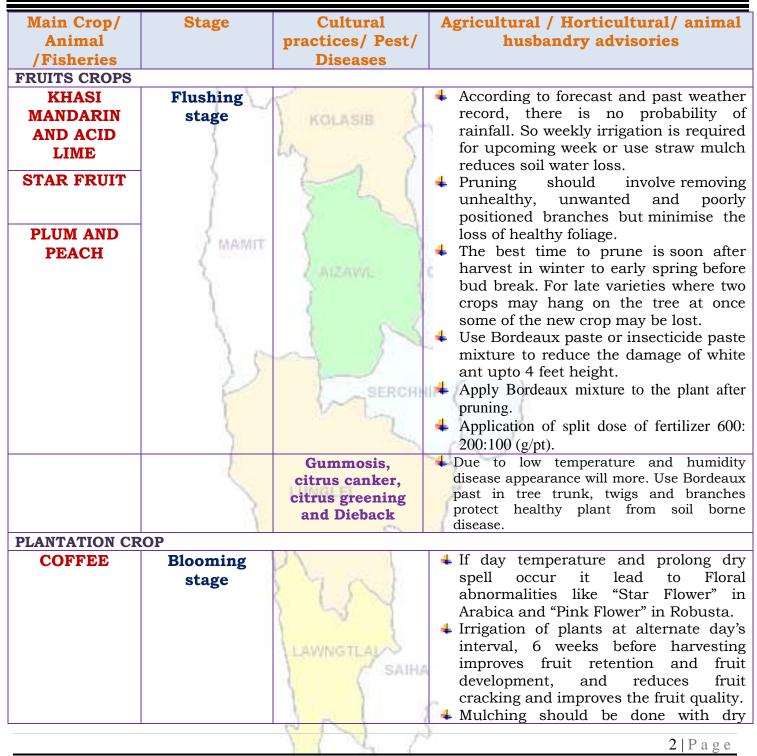
	1 1	P	1			
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	8	3	14	14	5	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear	
Max RH (%)	100	99	100	100	100	
Min RH (%)	49	47	42	57	48	
Wind Speed (KmpH)	3	2	2	2	2	
*Wind Direction	S-E	S-E	S-E	S-E	S-W	
Souther	ly- <mark>S</mark> , South-	•Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W,</mark> We 1-31, 2018 (<i>Percent</i>	sterly-W, North	-westerly- N-W.	anthesis)	
Aizawl- 8.42 mm			Saiha- 11.37 m		- 10.51 mm	
(4.20mm)	Champh	(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm	
(3.40mm)	8-	(4.10mm)	(8.30m		(5.20mm)	
Weather summary	of the past		•	om 21 st April, 2		
three day	· · · · · · · · · · · · · · · · · · ·		25 th April,	and the second secon		
Maximum Tem. (°C):2		There are chanc			ll during the	
Minimum Tem. (°C):1		There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for				
Maximum RH (%):98-		the next 5 days may range for 30°C and 15°C. Maximum				
Minimum RH (%):51-'		relative humidity is expected in the range of 99-100% and				
Wind Direction: Sout	heasterly	minimum may from 42-57%. Wind direction would be southeasterly with the wind speed of 2-3 km per hour.				
Cloud cover: Mainly o	loudy					
Wind speed: 2-3 km/1	hr	Partially clear sk		÷	—	
Rainfall: 51.7 mm		Weekl	y cumulative	rainfall: 44.0 1	mm	
NDVI for Mizoram		North East Region 29 fas	Mildly dry districts of	condition oc Mizoram.	curs in all	
		6	j.)		1 P a g e	
		-	14 C		Irage	

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Rubber Vegetative stage Rubber Vegetative stage Rubber Vegetative stage Amm 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. Oil plam Vegetative/ Harvesting stage Oil plam Vegetative/ Harvesting stage <t< th=""><th></th><th></th><th></th><th></th></t<>				
Oil plam Vegetative/ Harvesting stage Image: Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend. Oil plam Vegetative/ Harvesting stage Image: Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.		7	KOLASIB	 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.
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 PULSE CROPS Maize (Jhum) Sowing stage * Remove all weed plant from the selected place. * Keep the plant, leaves and wood for dry.	Rubber	stage	AIZAWL	 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
Maize (Jhum) Sowing stage Image: A constraint of the selected place. (Jhum) Keep the plant, leaves and wood for dry.		Harvesting		 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
(Jhum) selected place. Keep the plant, leaves and wood for dry.			Francing a	4 Remove all weed plant from the
31Page		Sound Stuge	SAIHA	selected place. Keep the plant, leaves and wood for
			PN A	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 SERCHH	 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 experisions should be
		11 L 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
5	23	 Low temperature and high human influence the population of onion trip; 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.
1	54	 Harvest all mature fruits. 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 nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systemate
	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.
	1224	 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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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ICAR			
Potato	Harvesting stage	 If the leaves and p means plant ready f Open the furrow spade, harvest all m Discard all moth harvested potato tui Keep 7 -10 days for the moisture level in Keep 25% seed for r 	or harvesting. with the help of lature tubers. her tubers from bers. or drying or reduce a shed dry.
Cowpea	Sowing stage	 Plough the field protection of times. Mix fertilizer with /ha. Sow 2-3 seed per with /bacing should be 3 	pperly, at least 2-3 FYM 50:60:60Kg hole. 30 X 20 cm.
Okra	Sowing stage	 Plough the field with Sow 2 seed 45 X 45 Before sowing seed irrigation. Provide fertilizer @ 1 	cm spacing. provide one or two
ANIMAL HUSB		d Animala must loss	
Pig	All stages	vaccinate against su available in State Ve	ea and dry bedding rovided to young nonths of age and 2 months of age vaccination under nst FMD. diet up to 5%. otable water. ather conditions vine fever (Vaccines eterinary Departs)
		Porcine1. Culling of positiveReproductive1.RespiratorySyndrome (PRRS).	
	·	Sal S	
			6 Page

6 | P a g e



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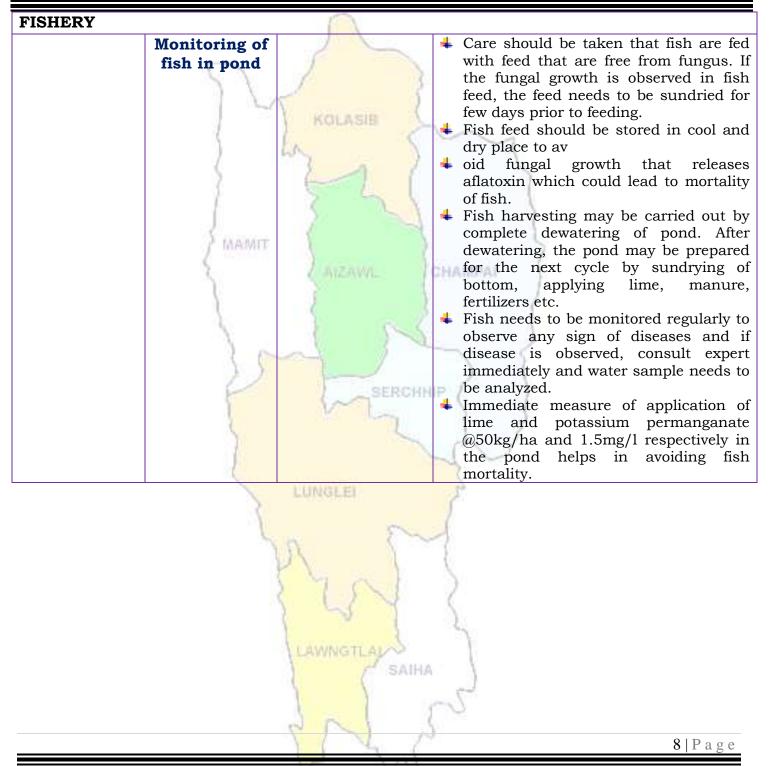


Cattle	All age group		4 In present weather conditions, special
outtio	IIII ago group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	21	1 5	wounds followed by application of
			antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	(feed
)	way 3	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
	MAMIT		vet supervision.
	10000000		♣ Separate sick animals.
	1	ATZAWIL /	+ The animal should be washed with
			lukewarm water added with little
		5	potash (KMnO4) or neem leaves.
	S	1 55	Long hair near the
	1	1 3 4	udder/stomach/back legs should be
	105		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
•		- SERCINA	drugs to poultry.
	5		Proper ventilation of shed.
			Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3	and the second sec	Provide broad-spectrum antihelminthic
		0	drugs under vet supervision and
		n (~	recommended doses.
			+ Vaccination as per the schedule with
		M Real	proper consultation with vet.
			> Day old chick: HVT Marek disease
		22	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
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		2013	Remove wet litter.



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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, Cumphati)

Guwahati)



District: Mamit

Bulletin No: - 786/2018/ Bulletin/Mizo	
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Period: 21 April - 25 April, 2018

Date of issue: 20th April, 2018

		- 5 A C				
Parameters	21.04.2018		23.04.2018	24.04.2018	25.04.2018	
Rainfall (mm)	8	3	14	14	5	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	15	15	15	15	15	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear	
Max RH (%)	100	99	100	100	100	
Min RH (%)	49	47	42	57	48	
Wind Speed (KmpH)	3	2	2	2	2	
*Wind Direction	S-E	S-E	S-E	S-E	S-W	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mo	nsoon- March 1	-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)	
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 m	m Kolasib	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m	ım)	(10.80mm)	
Lawngtlai-7.84mm	Lungle	i-6.35mm	Mamit-8.21m	n Serchh	ip-6.37mm	
(3.40mm)	_	(4.10mm)	(8.30m	. m)	(5.20mm)	
Weather summary	of the past	21 st April – 2	5 th April. 20	18 chhunga	sik leh sa	
three day	•		dinhmun tu			
	7.000				• 11 • 11	
Maximum Tem. (°C):2		Tun ni 5 chhur	0			
Minimum Tem. (°C):1		tura beisei a ni.				
Maximum RH (%):98-		vawh lai ber in 15°C ni tura beisei a ni. RH san lai berin				
Minimum RH (%):51-		99-100% leh a l	nniam lai berii	n 42-57% ni tu	ır a rin niin.	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	Thli hi darkar k	hatah 2-3 km	vela chakin c	hhaklam awi	
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	zawngin a tleh	rin a ni. A tla	ngpuiin tun ni	nga chhung	
Wind speed: 2-3 km/		hian khawthiang tak hmuh beisei a ni.				
Rainfall: 51.7 mm		Weahl	u oumulativo	rainfall: 44.0r	n m	
		weeni	y cumulative	raingail: 44.01		
		North East Region 24 Jun	3 6 1 11 1			
NDVI for Mizoram		Dia 1	winary ary	condition oc	curs in all	
		- AB 1	districts of	Mizoram.		
		Di di	-			
			-			
		OUT III				
		U				
		region,				
		VV	19		1 Page	
		The second se			IFAge	

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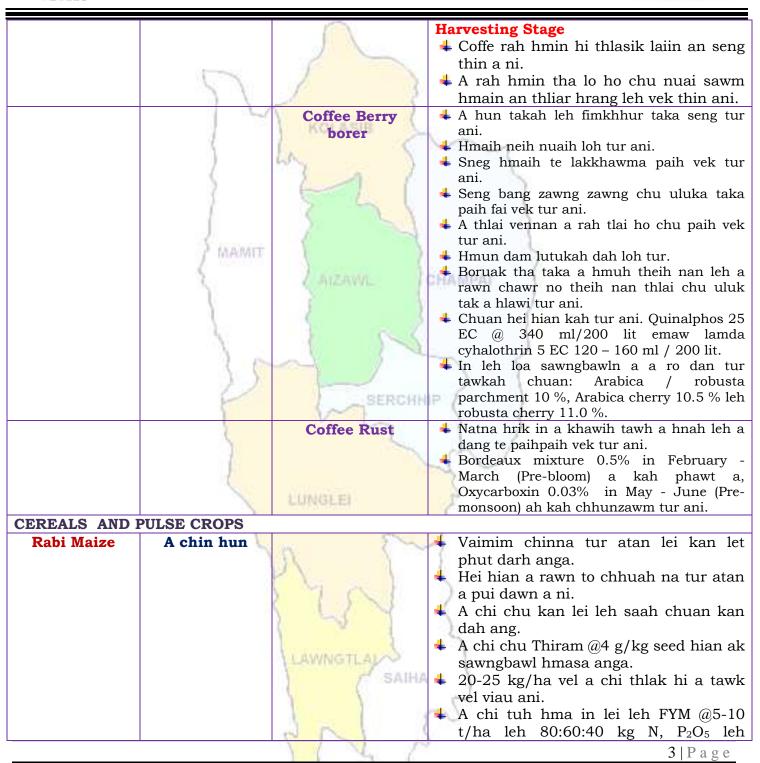


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			1
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.
LIME)	LA.	
	(1 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	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		O a start a site of the second	Tomosturo baism butula lab basana usag
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	60	greening and Dieback	a trangah te hnawih tur ani.
	12	Fruit fly	Huan zau takah chuan a par tan tirh leh a
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu
	5	N Lan	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		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
		Λ (\sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 7 26-1	tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		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.
· I		N N S	
		VIL M	2 P a g e



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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	 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
		VIZ N	4 P a g e



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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.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai china hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha He ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g* metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stage<		5	KOLASIB	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageHightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hnch taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing stage4 Tui pek à hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma 			AIZAWAL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam 		35		 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.
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	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 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
			6 N 3	5 Page



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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.
		4 N 2	6 P a g e



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	5	\bigwedge	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	21)	a puitlingh chuan R_2B vaccine pek tur ani.
		5 6	B complex with antibodies
	1	4 th weeks	4 Coccidiosis - Amprolium or
	Same		coccidiostat
	T MARINA I	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	34	(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.
		201	
		Y Y Y	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: Saiha

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April – 25 April, 2018

Date of issue: 20th April, 2018

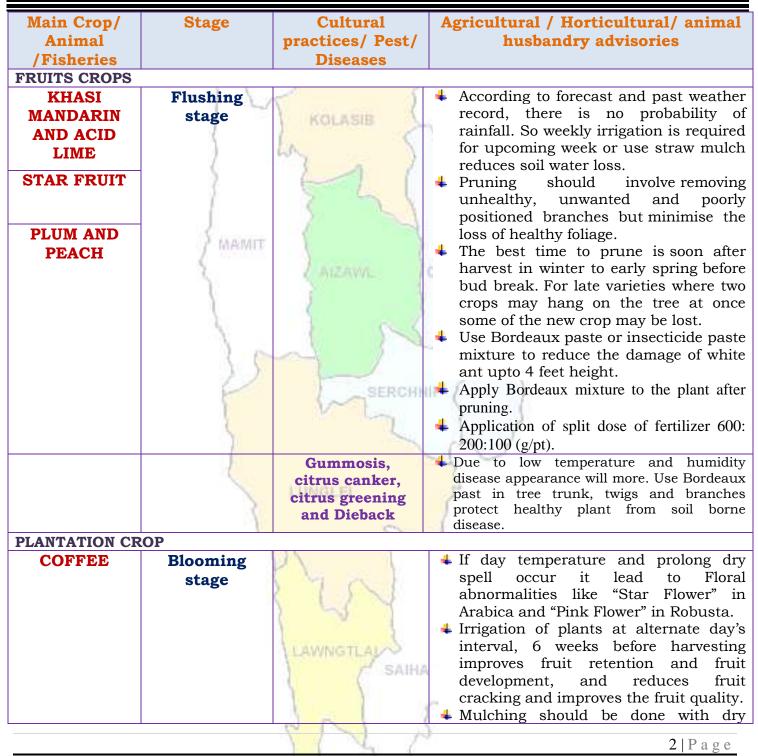
	N 1	p.	£				
Parameters	21.04.2018	3 22.04.2018	23.04.2018	24.04.2018	25.04.2018		
Rainfall (mm)	3	3	7	3	0		
Max Temp (°C)	30	30	30	30	30		
Min Temp (°C)	15	15	15	15	15		
Cloud Coverage	Partially clear	r Partially clear	Partially clear	Mainly clear	Mainly clear		
Max RH (%)	95	91	96	99	99		
Min RH (%)	37	35	37	38	31		
Wind Speed (KmpH)	4	3	4	2	2		
*Wind Direction	E	E	E	E	E		
Souther	ly- <mark>S</mark> , South-	-Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
		1-31, 2018 (Percent					
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m		- 10.51 mm		
(4.20mm)	T ett	(5.10mm)	(3.60m) Mamit-8.21m	•	(10.80mm)		
Lawngtlai-7.84mm (3.40mm)	Lungi	ei-6.35mm (4.10mm)	(8.30m		ip-6.37mm (5.20mm)		
	of the most		•	om 21 st April, 2			
Weather summary of three days	-	weather io		and the second secon	2018 10		
three day		751 1	25 th April,				
Maximum Tem. (°C):2		There are chanc	0	U U	•		
Minimum Tem. (°C):1 Maximum RH (%):85-		The maximum a					
Minimum RH (%):52-		days may range					
Wind Direction: Sout		humidity is expe		0			
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	may from 31-38			~		
Wind speed: 1-2 km/l		the wind speed of 2-4 km per hour. Partially clear sky will					
		prevail during th	e next five day	s.			
Rainfall: 35.4 mm				rainfall: 16.0 p			
NDVI for Mizoram		Martin Lans Nagion 29 day	Mildly dry districts of	[,] condition oc Mizoram.	ecurs in all		
		612	P		1 P a g e		

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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 (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		THE ADDRESS OF ADDRESS	
Maize (Jhum)	Sowing stage	SAIHA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.
		P N N	212
		I L	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 CR0	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
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
		VIL /	4 P a g e



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		2	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
	N	2 3	 influence the population of onion trips Apply any systemic insecticide 1. ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	Intercultural operations should be don 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 t reduce damage of chilli thrips.
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.
	Ìs		 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will mat in dry weather. Apply any systemat
	}	~	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Chilli	Vegetative to flowering stage		 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. Harvest all mature fruits.
		12M	 Apply split dose of nitrogenou fertilizer to the plant. Mature fruit should be harvested and
		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.
		NN S	



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			î.	
Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		∇	-	harvested potato tubers.
		KOLASIE	-	Keep 7 -10 days for drying or reduce
	1	6	1	the moisture level in shed dry.
		LA.		Keep 25% seed for next season sowing.
•	0.1.1.1	1 1 1	-	
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		2 21	+	Mix fertilizer with FYM 50:60:60Kg
	Rear and			/ha.
	J' MAMIT	X 2	4	Sow 2-3 seed per whole.
	S	1 and and	1	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Concerne: 1	4	Plough the field with the help of spade.
		5	4	Sow 2 seed 45 X 45 cm spacing.
	S	S.	4	Before sowing seed provide one or two
	S	1 64		irrigation.
	1.0		-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY			
Pig	All stages	arnoul	-	Animals must keep in dry place or
6		SERCHN	IP (
6		(~	P (kept in alleviated area and dry bedding
		where where we have a second	P-(kept in alleviated area and dry bedding (straw) to be provided to young
		with the second	P*(kept in alleviated area and dry bedding (straw) to be provided to young animals.
		with the second	₽*(•	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and
		m	-	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age
		LUNGLEI	A Car	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under
		m		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
		m		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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%.
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		m		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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
		m	A the second sec	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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
			A to the to the top of t	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLEI		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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
		LUNGLEI	A the second sec	kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLEI		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)
		LUNGLE Porcine Reproductive Respiratory		kept in alleviated area and dry bedding (straw) to be provided to young animals. 1 st 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)

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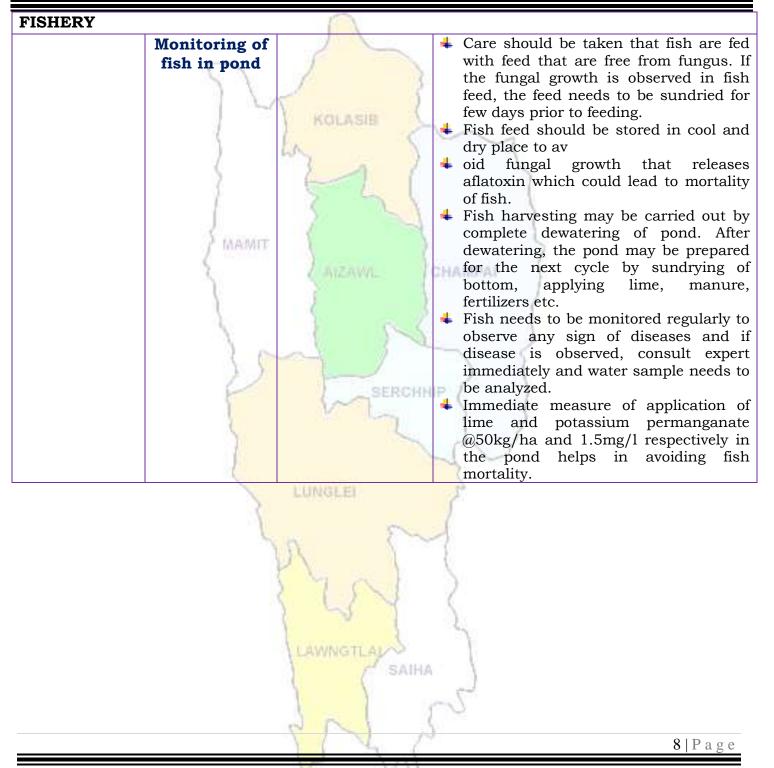


Cattle	All age group		4 In present weather conditions, special
outtio	IIII ago group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 8	wounds followed by application of
		5 0	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	() () () () () () () () () ()		feed
)	60 J	Provide 10-30 ml of vitamin B-Complex
	S		in feed
	5	the second se	4 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	2 march 2	1	 Separate sick animals.
	1	ARZAWL I	4 The animal should be washed with
	1		lukewarm water added with little
		5.	potash (KMnO4) or neem leaves.
	8	2 5	4 Long hair near the
	0.0		udder/stomach/back legs should be
	10.5		teamed short.
Poultry	All age group	SERCHN	+ Provide preventive dose of anti-coccidial
		(~)	drugs to poultry.
	8		Proper ventilation of shed.
	30		+ Provide glucose/electral along with
	18		vitamin supplements (@5- 6ml/100
	16		birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		 Provide broad-spectrum antihelminthic
	10	5	drugs under vet supervision and
		$\eta \sim$	recommended doses.
			+ Vaccination as per the schedule with
		1 7 201	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 8	RD R-2B strain.
			RD R-2B strain. 4 Remove wet litter.
		201	
		VIL M	7 P a g e



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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, Cumphati)

Guwahati)



District: Saiha

Bulletin	No:	- 786	/2018/	Bulletin	/Mizo	1
				- A	0	

Period: 21 April - 25 April, 2018

Date of issue: 20th April, 2018

D	01.04.0010	00.04.0010	00.04.0010	04.04.0010	05 04 0010
Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018
Rainfall (mm)	3	3	7	3	0
Max Temp (°C)	30	30	30	30	30
Min Temp (°C)	15	15	15	15	15
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear
Max RH (%)	95	91	96	99	99
Min RH (%)	37	35	37	38	31
Wind Speed (KmpH)	4	3	4	2	2
*Wind Direction	E	E	E	E	E
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , W	/esterly-W, Nort	h-westerly- N-W	•
Status of Pre Mor		l-31, 2018 (Percer			
Aizawl- 8.42 mm	Champh	<mark>ai- 9.28 mm</mark>	<mark>Saiha- 11.37</mark> r		- 10.51 mm
(4.20mm)		(5.10mm)	(3.601	· · · · · · · · · · · · · · · · · · ·	(10.80mm)
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m	m Serchł	nip-6.37mm
(3.40mm)		(4.10mm)	(8.30n	•	(5.20mm)
Weather summary	of the past	21 st April –	25 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 (%):52- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 1-2 km/2 Rainfall: 35.4 mm	5-16°C 97% 70% heasterly clear	vawh lai ber in 91-99% leh a h hi darkar kha zawngin a tleh hian khawthiar	i. Khua a lum 15ºC ni tura b niam lai berin 3 atah 2-4 km rin a ni. A tla	lai berin 30°C eisei a ni. RH sa 31-38% ni tur a vela chakin c angpuiin tun n isei a ni.	a ni ang a. A an lai berin of a rin niin. Thli hhaklam awi i nga chhung
NDVI for Mizoram		North East Region	Mildly dry districts of	y condition o `Mizoram.	ccurs in all
		VIL	19		1 P a g e

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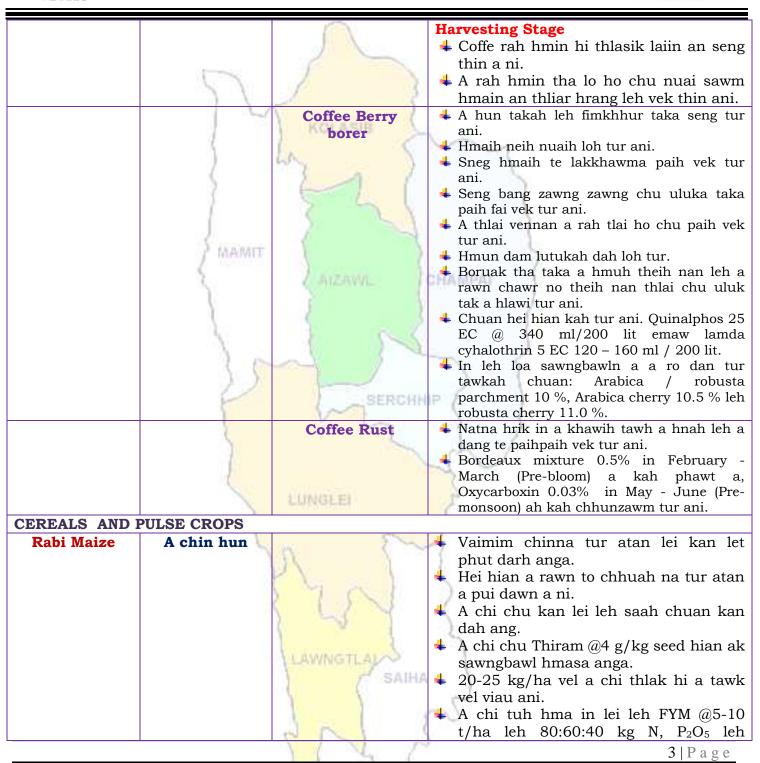


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME)	La N	4 Thlai naupang deuah chuan chawlh
	(3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
	3.0	Z ARZAWIL I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
	100	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang bion nature a tam duh a Sail hama nature
		canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	21	100 C	+ Thlai chi thlak hma in Azospirillum leh
	5 N	n ?~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		Chi and D	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 3	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh non niin a ahun lah nan san hliah tun
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		((ani. $\frac{1}{100}$ Ni 45 hpu walah a tiak thin a abu abu
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 1	210
			2 P a g e



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



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Onion and	Numeror	KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 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.
		6 N 2	5 D
		4	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



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	Ducation	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.
	Preventive	U-3 week		Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	11	4	a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
		4 th weeks	-	
		T. WCCKS	-	coccidiosis- Amprolium or coccidiostat
	A MAGNIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	5		C111	
	Monitoriad	and the state of t		Sangha te hi chaw a hmuar kai lo
	Monitoring (Sangha	1	+	chauh pek thin tur ani. Sangha chaw
	enkawl)	3 64		lo hmuar anih chuan pek hma in ni s
	elikawij			a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turii
	F	SERCHH	₽) +	hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn
		LUNGLEI	0	phoro, chinai phul, leitha hman leh tu
	3		2	dang in dil buatsaih tur ani.
	L	m En	4	Sangha te natna lak atangin an him en
		Phal I	5	tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.
		5 4 4	4	A ranglam a chinai @50kg/ha lel
		1 2 3	- 24	tuisen @1.5mg/l diltui a hman hia
		LAWNGTLAN		sangha natna avang a thi tur lal atangin a veng thei.
		/ SAIHA		
		221		5
				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,

Guwahati)



District: Serchhip

Bulletin No: - 786/2018/ Bulletin/English

Period: 21 April - 25 April, 2018

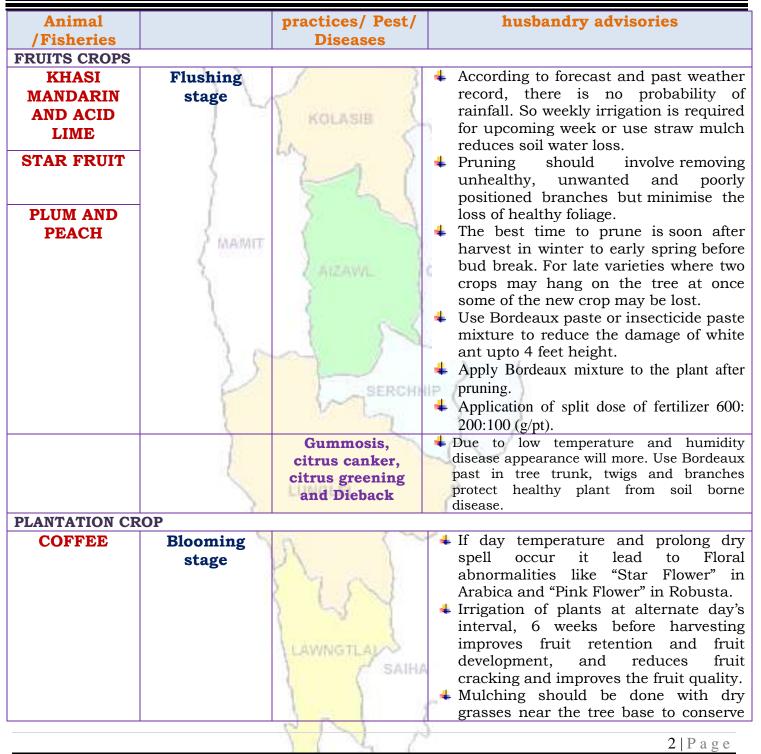
Date of issue: 20th April, 2018

Rainfall (mm)57560Max Temp (°C)272727272727Min Temp (°C)111111111111Cloud CoveragePartially clearPartially clearPartially clearMainly clearMainly clearMax RH (%)97100100100100100Min RH (%)9937384438Wind Speed (KmpH)22220*Wind DirectionES-EES-EENortherly- N, North-Easterly- N.E, Easterly- E, South-Easterly- S. South-Westerly- S. W, Westerly-W, North-westerly- N.W.Status of Pre Monson- March 1-31, 2018 (Percent of deviation from normal in parenthesis)Aizawi- 8,42 mmChamphai- 9,28 mnSaiha- 11.37 mmKolasib- 10.51 mm(4.20mm)(5.10mm)(3.60mm)(10.80mm)Lawngtlai-7.84mmLunglei-6.35mmMamit-8.21mmSerchhip-6.37mm(3.40mm)(C):26-27°CThere are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5Maximum Tem. (°C):24-15°CThere are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5Maximum RH (%):51-71%Wind Speed in the range of 97-100% and minimum RH (%):51-71%Wiekky cumulative rainfall: 23.0 mmMDVI for MizoramWeekly cumulative rainfall: 23.0 mmMidly dry condition occurs in all districts of Mizoram.Main Crop/StageCulturalAgricultural / Horticultural/ an	Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018	
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Maximum RH (%):95-100% In intrinum turn unin unin unin portion of the minimum relative days may range for 27°C and 11°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 37-44%. Wind direction would be easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days. Rainfall: 35.0 mm Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Middly dry condition occurs in all districts of Mizoram. Main Crop/ Stage			There are chances of light rainfall during the next 5 days.				
Minimum RH (%):51-71% addy's find y funde for 21 of and 11 of an annual formation for any form 37-44%. Wind direction would be easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days. Rainfall: 35.0 mm Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Middly dry condition occurs in all districts of Mizoram. Main Crop/ Stage Main Crop/ Stage			·				
Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-4 km/hrIndinitity is "expected in the Tange of 97-100% and minimum may from 37-44%. Wind direction would be easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days.Rainfall: 35.0 mmWeekly cumulative rainfall: 23.0 mmNDVI for MizoramMildly dry condition occurs in all districts of Mizoram.Main Crop/StageCultural							
wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind speed: 2-4 km/hr minimum may from 37-44%. Wind direction would be easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days. Rainfall: 35.0 mm Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram. Main Crop/ Stage			humidity is ex	pected in the	e range of 9	7-100% and	
Cloud cover: Mainly cloudy Wind speed: 2-4 km/hr easterly with the wind speed of 0-2 km per hour. Partially clear sky will prevail during the next five days. Rainfall: 35.0 mm Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram. Main Crop/ Stage		· · · · · · · · · · · · · · · · · · ·					
wind speed: 2-4 km/hr clear sky will prevail during the next five days. Rainfall: 35.0 mm Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Middly dry condition occurs in all districts of Mizoram. Main Crop/ Stage Cultural			2				
Rainfall: 35.0 mm Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Mildly dry condition occurs in all districts of Mizoram. Main Crop/ Stage Cultural Agricultural / Horticultural/ animal	Wind speed: 2-4 km/	hr					
Weekly cumulative rainfall: 23.0 mm NDVI for Mizoram Middly dry condition occurs in all districts of Mizoram. Main Crop/ Stage Cultural Agricultural / Horticultural/ animal			010001 011 <u>9</u> pr 0		·		
NDVI for Mizoram North tail keeps Nildly dry condition occurs in all districts of Mizoram. Main Crop/ Stage Cultural Agricultural / Horticultural/ animal	Rainfall: 35.0 mm		Weekh	u cumulative	rainfall· 23.0 i	mm	
Mildly dry condition occurs in all districts of Mizoram. Main Crop/ Stage Cultural Agricultural / Horticultural/ animal			in contra	y cumulative i	angun 2010 i		
Main Crop/ Stage Cultural Agricultural / Horticultural/ animal	NDVI for Missore		North East Region 29 Jun 21	Mildly day	ondition of	11	
Main Crop/ Stage Cultural Agricultural / Horticultural/ animal	NDVI IOI MIZOTAM		~			cuis in all	
			572	districts of	mizorain.		
			Carl III				
			AS 1	-			
			-R				
			Aprilations opport to maderone solar some of the parts to region	unt la			
	Main Crop/	Stage	Cultural	Agricultur	al / Horticultu	ıral/ animal	
			VIL	1		1 Page	



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	7	KOLASIB	 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	AIZAWA	 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	SERCHH	 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.
	3		 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	PULSE CROPS	M	 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full
CEREALS AND Maize (Jhum)	PULSE CROPS Sowing stage		 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
Maize		LAWNGTLAN	 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. Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.



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		0	🔸 Open a furrow with the help of
			chimkhawi.
			✤ Keep 4-5 seeds a hole.
			4 Distance should be maintain 60 cm
	1 1	5	from plant to plant.
		1	· · ·
		KOLASIB	Apply well decomposed FYM/pig
	1	1 mountains	manure @ 5-10 t/ha along with
		10	80:60:40 kg N, P_2O_5 and K_2O/ha
	1	1 . 1	incorporate with soil before sowing.
	2		Half nitrogen dose will use at the time
	2	5 6	of sowing and remaining 25% after one
	1	5. 54	month and 25% at flowering stage.
Rice	Sowing stage		4 Remove all weed plant from the
(Jhum)	/ MAMIT		selected place.
	6	A second	4 Keep the plant, leaves and wood for
	1	ATZAWIL J	dry.
		1	🔸 Burn it when it will be dry.
	N	5	4 Open a furrow with the help of
		1 55	chimkhawi.
			4 Keep 4-5 seeds a hole.
	18.0		+ Distance should be maintain 60 cm
	11	F	from plant to plant.
VEGETABLE CR	OP		
Ginger and	Sowing stage	1154 Automation	4 Rhizome should be treated with Thiram
turmeric	Sowing Stage		@4 g/kg seed.
tuimente	1		Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
	100	In the second second	Apply well decomposed FYM/ pig
	×.	LUNGLEI	manure @ 10-20 t/ha along with
	2		
		5	120:80:60 kg N, P_2O_5 and K_2O/ha
		10	incorporate with soil before sowing.
		PN I	Half nitrogen dose will use at the time
		1 7 CL	of sowing and remaining 25% after one
0	D- 11	Date	month and 25% at flowering stage.
Onion	Bulb	Poly house	Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	LAWNGTLAL	Intercultural operations should be
		≓ SAIHA	done regularly to keep the crop free
			from weeds and better growth of build.
			+ Remaining quantity of nitrogen is
			applied 30-40 days after transplanting.
		6 1 2	
			4 P a g e



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	5	\wedge	 Provide irrigation if water is require. Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAVA	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry method.
Chilli	Vegetative to flowering stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAL SAIHA	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
Potato	Harvesting	221	If the leaves and plant became dry it means plant ready for harvesting.
		I V V	5 P a g e



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	stage	0	4 Open the furrow with the help of
			spade, harvest all mature tubers.
			4 Discard all mother tubers from
		1	harvested potato tubers.
	2.1	1 2	♣ Keep 7 -10 days for drying or reduce
		S	the moisture level in shed dry.
		KOLASIB	Keep 25% seed for next season sowing.
Cowpea	Sowing stage	0	 Plough the field properly, at least 2-3
cowpea	Sowing stage	6A)	times.
	() () () () () () () () () ()	1 1	Mix fertilizer with FYM 50:60:60Kg
	1		/ha.
	1	2	\downarrow Sow 2-3 seed per whole.
		21	-
01	O A MARATT	1	Spacing should be 30 X 20 cm.
Okra	Sowing stage	5	 Plough the field with the help of spade. Some 2 and 45 X 45 are encoded.
		Z AIZAWAL I	Sow 2 seed 45 X 45 cm spacing.
		2	4 Before sowing seed provide one or two
	1	1 2	irrigation.
	1.5		Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE			
Pig	All stages		+ Animals must keep in dry place or
			kept in alleviated area and dry bedding
		SERCHN	(straw) to be provided to young
	8		animals.
	1		4 1 st injection at 6 months of age and
	1		2nd injection at 12 months of age
	10		followed by annual vaccination under
			vet supervision against FMD.
		LUNGLEI	Reduce concentrate diet up to 5%.
	3		Provide adequate potable water.
		~	In present weather conditions
		n (~~	vaccinate against swine fever (Vaccines
			available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	1
		Respiratory	1
		Syndrome (PRRS).	
Cattle	All age group	LAWNGTLAL	4 In present weather conditions, special
		- SAIHA	care should be taken against attack of
		(SAINA	maggots in the wounds of animals.
			Application of turpentine oil in the
		1 = 1	wounds followed by application of
		P N N	
			6 P a g e



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Poultry	All age group		 antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet.
) MAMIT	1	0
	1	(AIZAWAL)	teamed short.
Poultry	All age group		
		1 6 6	
	- A - 2		- //
	1		
	12	STROUGH	binda) with adaptate notable water
		SERCHH	
		Mannaersv	
		LUNGLEI	 Day old chick: HVT Marek disease
	5		vaccine, 4-7 days:¬ F/Lasota, 14-18
		· · ·	days: Intermediate plus/IBD
		16	vaccine, 35 days: F/Lasota, 6-7
		Chi si l	weeks: Chicken embryo adopted
		2 1 5 1	fowl pox vaccine and 56-70 days:
		1 55 7	RD R-2B strain.
			4 Remove wet litter.
FISHERY		LAWNGTLAN	
	Monitoring of	SAIHA	4 Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
			the fungal growth is observed in fish feed, the feed needs to be sundried for
		C N S	
		114	7 P a g e



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few days prior to feeding. **4** Fish feed should be stored in cool and dry place to av 🔸 oid fungal growth that releases aflatoxin which could lead to mortality of fish. KOLASIB Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom. applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if MAMIT disease is observed, consult expert immediately and water sample needs to be analyzed. **4** Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA SAIHA 8 | Page



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Guwahati)



District: Serchhip

Period: 21 April - 25 April, 2018

Date of issue: 20th April, 2018

Parameters	21.04.2018	22.04.2018	23.04.2018	24.04.2018	25.04.2018		
Rainfall (mm)	5	7	5	6	0		
Max Temp (°C)	27	27	27	27	27		
Min Temp (°C)	11	11	11	11	11		
Cloud Coverage	Partially clear	Partially clear	Partially clear	Mainly clear	Mainly clear		
Max RH (%)	97	100	100	100	100		
Min RH (%)	39	37	38	44	38		
Wind Speed (KmpH)	2	2	2	2	0		
*Wind Direction	E	S-E	E	S-E	E		
		Easterly- <mark>N-E</mark> , Eas					
		Vesterly- <mark>S-W</mark> , We					
		-31, 2018 (Percent					
Aizawl- 8.42 mm	Champha		Saiha- 11.37 m		<mark>b-</mark> 10.51 mm		
(4.20mm)		(5.10mm)	(3.60m	ım)	(10.80mm)		
Lawngtlai-7.84mm	Lungle	i-6.35mm	Mamit-8.21m	m Serch	hip-6.37mm		
(3.40mm)		(4.10mm)	(8.30m	m)	(5.20mm)		
Weather summary	of the past	21 st April – 2	5 th April. 20	18 chhung	a sik leh sa		
three day	s	21 st April – 25 th April, 2018 chhunga sik leh sa dinhmun tur tlangpui					
Morrigen Tom (00)	6.0700						
Maximum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A					
Maximum RH (%):95-	-10/	vawh lai ber in 11°C ni tura beisei a ni. RH san lai berin					
Minimum RH (%):51-		97-100% leh a hniam lai berin 37-44% ni tur a rin niin.					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	Thli hi darkar k	hatah 0-2 km	vela chakin	chhaklam awi		
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·	zawngin a tleh i	rin a ni. A tla	ngpuiin tun r	ni nga chhung		
Wind speed: 2-4 km/		hian khawthiang tak hmuh beisei a ni.					
D : 0 11 05 0							
Rainfall: 35.0 mm		Weekl	y cumulative	rainfall• 23 ()mm		
		Weeni	y cumululle	<i>rungun.</i> 23.0	/11111		
		North East Region 24 Jun			1 / 11		
NDVI for Mizoram			moderately	wet mildly d	lry/mildly wet		
			conditions				
			-				
		GT III	-				
		reground region is monotone over some of the per- region	2 1001				
		VIV	14		1 Page		
		512	12		1 P a g e		

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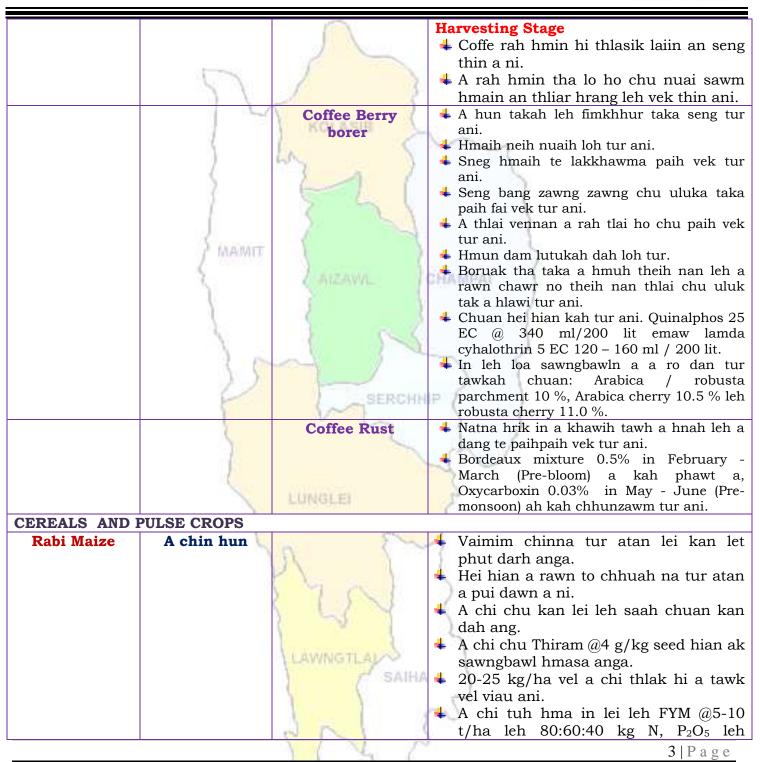


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS	•					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		Thomas 2	velah dahkhawm tur ani.			
LIME)	La N	4 Thlai naupang deuah chuan chawlh			
		3 0 1	kar tin a tui pek thin tur ani.			
BANANA	1		4 Leia tha mamawh tawk a hmuh			
	6	2 2 1	theihna turin a hmunhma a hnim awm			
		22	te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	1	S	taka pek hian a rah tla tur chelh nan			
PLUM AND	30	Z ATZAWIL /	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			
	1.1.2	canker, citrus	laka vennan Bordeaux past hi thing zar leh			
	5.0	greening and Dieback	a trangah te hnawih tur ani.			
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a			
	1	FILLENGERCHN	rah tan tirin chawlhkar hnih chhung chu			
	1	N Lan	heng te hian enkawl tur ani: carbaryl 0.2			
	S		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		EGINGLEI				
COFFEE	All stages	and share and the	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			
		Mi and	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.			
		2 1 3 3				
		1 -3 1	Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.			
			 A Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur			
		≓ SAIHA				
			Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
L						
		V V M	2 P a g e			
			2 1 agu			



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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
		C 1 1	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
	8 1	1 3	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	4 A than a that theih nan nikhat danah
capsicum)	WAY IN	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
		C	zawhah dah tur ani.
	2		+ Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	5	A DET DUAL	tui liter 1 zelah pawlh a kah hi a tha hie ani.
		Phytopthora	\downarrow A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	200	blight	(Apron)/ kg seed hi a tha hle ani
	1		Hneh taka 1% Bordeaux chawhpawlh
	20		emaw 2 g captan emaw 3 copper
	1)		oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	 Tui pek a hnihnah hringa khuh tur ani
r renen bean	Sowing Stage	V La	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
	1		4 A than duna theih nan leh hnim to loh
	£		na turin a kung bulah lei vur chhoh zel
		LUNGLE	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani.
	0	11 1 2	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
		21 1	$\stackrel{\text{figure}}{=}$ Zikhlum lam chi ah chuan sik leh
		1 7 6 1	sa vangin a hnah ah thil dum a
		1 62 4	rawn awm thina, hei hi natna
			- SAN
		LI MARIETT AL	tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam
		LAWNGTLAL	chi reng reng enkawl nan
		(SAINA	8 8
			Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
		1 5 1	v pawilla kali tul alli.
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAI
	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	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	۰ŧ	Ranikhet Disease- an pian atanga ni
	measures	my)		1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R_2B vaccine pek tur
	2			ani.
	1		+	B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	AMAMIT		-	coccidiostat
	2	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWIL	CH	AMPAI
	onitoring	5 1	+	Sangha te hi chaw a hmuar kai le
•	Sangha			chauh pek thin tur ani. Sangha chaw
e	nkawl)		_	lo hmuar anih chuan pek hma in ni s
	2 6	~ 1		a phoro phawt tur ani.
	1)		-	Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha
	5	SERCHH	₽ +	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
		LUNGLEI	6	buatsaih a ti awlsam a, dil mawn
	3		5	phoro, chinai phul, leitha hman leh tu
		5	1	dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er
	1	1 1	1	tih enfiah fo a tha a, natna hmuh ani
		21	1	chuan mithiam te rawn vat a, diltu
		1 7 61	1	enfiah vat tur ani.
	2	1 La Y	4	A ranglam a chinai @50kg/ha lel
		1 4 1	- 22	tuisen @1.5mg/l diltui a hman hia
		LAWNGTLAN		sangha natna avang a thi tur la
				atangin a veng thei.
		Salha		5
		VIV /		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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LAWNGTLA SAIHA

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