

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: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Rainfall (mm)	18	4	10	11	8		
Max Temp (°C)	30	30	30	29	29		
Min Temp (°C)	13	13	12	12	12		
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	100	97	100	99	96		
Min RH (%)	56	52	51	54	57		
Wind Speed (KmpH)	3	2	2	3	5		
*Wind Direction	S-E	S-E	S-E	N-E	S-E		
	-	Easterly- N-E, East	-				
		/esterly- <mark>S-W</mark> , We					
		30, 2018 (Percent					
Aizawl- 496.0 mm	Champhai-		Saiha- 140.6 mm		- 334.8 mm		
(185.6 mm)	(1	.19.4 mm)	(109.8 mr	n)	(213.6 mm)		
Lawngtlai-157.2 mm	Lunglei- 3	36.4 mm	Mamit-388.3 mm	Serchhi	p-158.4 mm		
(101.5 mm)	(1	17.6 mm)	(236.2 mn	/	(214.2 mm)		
Weather summary	of the past	Weather fore	cast valid from	n 30 th May, 201	18 To 03rd		
three day	s		June, 2	018.			
Maximum Tem. (°C):2	28-29°C	There are chanc	es of moderate	e to light rainfa	ll during the		
Minimum Tem. (°C):1				0	0		
Maximum RH (%):96-100%		next 5 days. The maximum and minimum temperatures for					
Minimum RH (%):65-	700/	the next 5 days may range for 29-30°C and 12-13°C.					
Wind Direction: Sout		Maximum relative humidity is expected in the range of 97-					
Cloud cover: Partially		100% and minimum may from 51-57%. Wind direction					
Wind speed: 2-3 km/	hr	would be southeasterly to northeasterly and southeasterly					
	· · ·	with the wind speed of 2-5 km per hour. Partially clear sky					
Rainfall: 28.4 mm	7	will prevail durin	ig the next five	days.			
		-	-				
		Weekl	y cumulative i	rainfall: 51.0 1	nm		
NDVI for Mizoram		North East Region 25	Mildly dry	condition oc	curs in all		
		~	districts of		curo in un		
		23	uistricts of	mizorani.			
		CON AS					
		200	1				
		PT-	1				
		B =-					
		grouture vigour is moderate over some of the spine.	parts N				
		6 51	2				
		1 4			1 P a g e		

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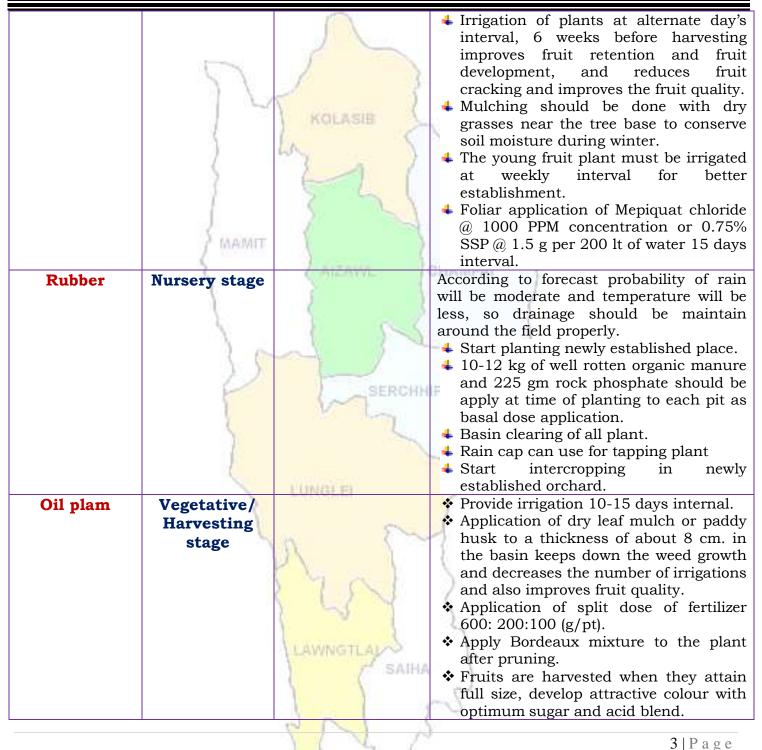
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			•
KHASI	Nursery and	2 3	According to forecast probability of rain will
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,
AND ACID	stage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

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Passion Fruit	Nursery stage	KOLASIB	 Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND F			
Maize (<i>Jhum</i>)	Vegetative stage	AIZAWL	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Jhum Rice	Germination stage	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CRO	OP		
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
		612	4 P a g e



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		12	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		 According to forecast probability of
us crop	88-		rain will be moderate and temperature
	5	1	will be less, so drainage should be
	1 6	1 3	maintain around the field properly.
		V same and	🔸 Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	1	En S	4 In large gardens apply carbaryl 0.2 per
	1	~ ~)	cent or malathion 0.15 per cent
	2		suspension containing sugar or
	2	5 5	jeggery at 10 g/1 at fortnightly
	í í	5 54	intervals at flowering and fruit
	Remain		initiation against fruit fly and
	/ MAMIT	1	pumpkin beetle.
Chilli	Vegetative to	LARZAWL I	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	1	will be less, so drainage should be
	200	3 all	maintain around the field properly.
	· / · ·		Earthing up soil for better growth and atability in root goes
		~ /	 stability in root zone. Don't use split dose of any nitrogenous
	11		fertilizer for better growth.
		SERCHN	4 If possible use straw mulch/ grass
	1	V La	mulch in row to prevent moisture loss
	S		and better growth of plant.
	48	Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
			or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	and a second second	fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	22	According to forecast probability of rain
compea	stage	11 12	will be moderate and temperature will
	Stuge		be less, so drainage should be maintain
		1 7 61	around the field properly.
			4 Earthing up soil for better growth and
			stability in root zone.
		And the second second	Don't use split dose of any nitrogenous
		LAWNGTLAN	fertilizer for better growth.
Okra	Vegetative	7 SAIHA	According to forecast probability of rain
	stage	1 1	will be moderate and temperature will
			be less, so drainage should be maintain
			around the field properly.
		1 C L	5 P a g e



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Colocasia	Sowing stage	KOLASIB	 Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWA	 In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection
		8 S A	
			6 P a g e



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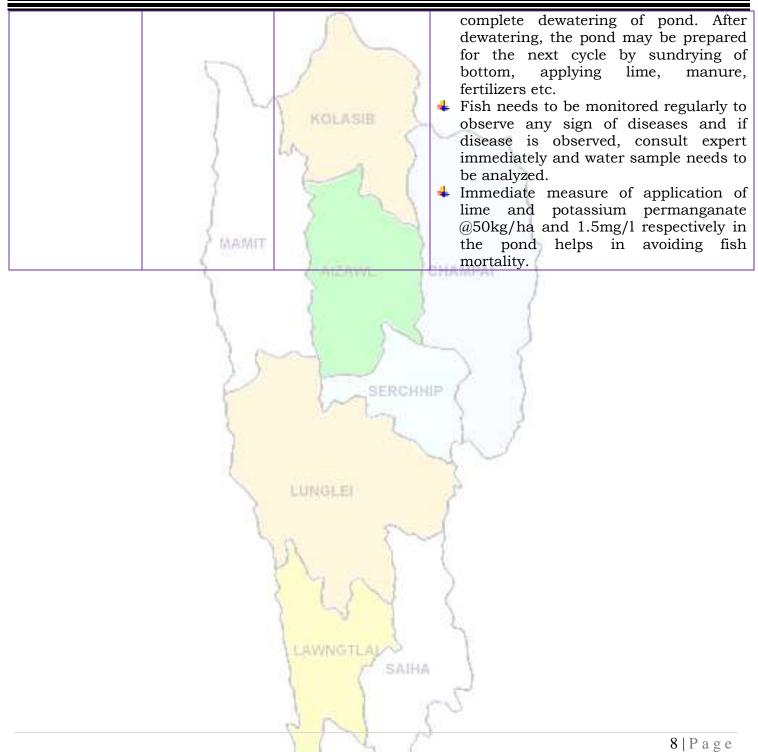


	KOLASIB	 followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial
MAMIT	LUNGLEI	 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.
Sec.	0.	
Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. 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. Fish harvesting may be carried out by
	Monitoring of	All age group



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LAWNGTLA SAIHA

9 | P a g e



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Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

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Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	18	4	10	11	8	
Max Temp (°C)	30	30	30	29	29	
Min Temp (°C)	13	13	12	12	12	
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy	
Max RH (%)	100	97	100	99	96	
Min RH (%)	56	52	51	54	57	
Wind Speed (KmpH)	3	2	2	3	5	
*Wind Direction	S-E	S-E	S-E	N-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champha	-30, 2018 (Percent ai- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	of deviation from Saiha- 140.6 mm (109.8 m Mamit-388.3 mm (236.2 m	m Kolasib nm) m Serchhij	nthesis) - 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		18 chhunga	sik leh sa	
three day	S	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):96- Minimum RH (%):65- Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/3	8°C 100% 78% heasterly v clear	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 51-57% ni tur a rin niin. Thli hi darkar khatah 2-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 28.4 mm		Weekl	y cumulative	rainfall: 51.0r	nm	
NDVI for Mizoram		North East Ragion 23 far	Mildly dry districts of	condition oc Mizoram.	curs in all	
		CN ?	P		1 Page	

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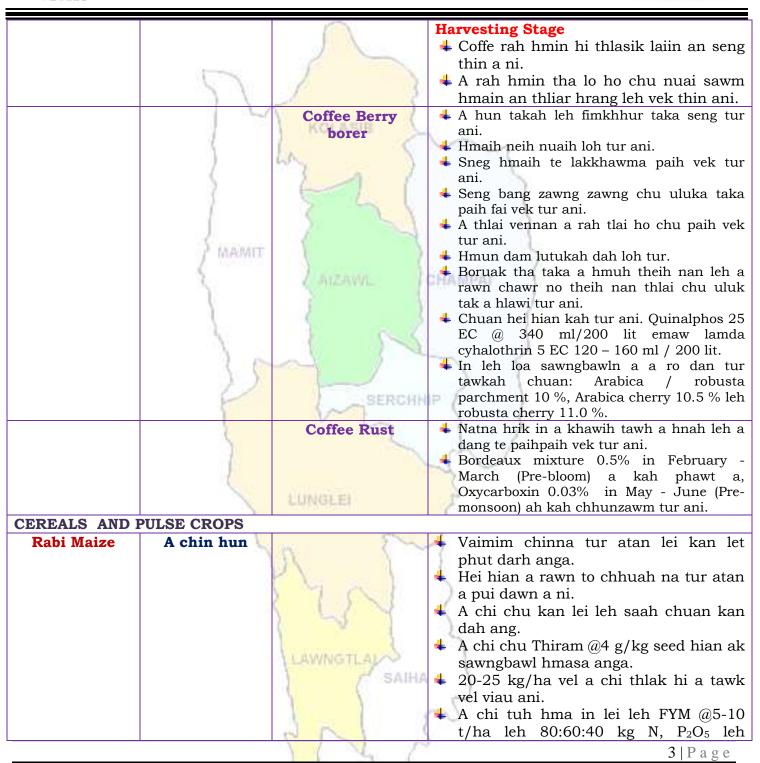


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthing 2	velah dahkhawm tur ani.
LIME)	La l	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 2	theihna turin a hmunhma a hnim awm
		21	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	T Intervent	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3.0	2 ATZAWAL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5.0	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
	1	FILIT IY ROWN	rah tan tirin chawlhkar hnih chhung chu
	1	Mr. Long	heng te hian enkawl tur ani: carbaryl 0.2
	S		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		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.
		2	A chi hi December – January ah hmun
		1 AL	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		1 -3 1	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	I	NR C	
		V V M	2 P a g e
			211 agu



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



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



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ANIMAL HUSBE	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 tu thianghlim an mamawh tawk an hmu tur ani a.
		PN 2	6 P a g e



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Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
measures	U-O WCCK	1-6 ah F1 vaccine pek tur ani a, chuan
	W7 2)	a puitlingh chuan R ₂ B vaccine pek tur
2		ani.
		B complex with antibodies
	4 th weeks	4 Coccidiosis - Amprolium or
E INAGAIT		coccidiostat
7. 0.2550173	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	AIZAWIL	CHAMPAI
Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
	201	Y
	1 V V	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

8 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

Deverseteve	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Parameters							
Rainfall (mm)	17	15	19	17	10		
Max Temp (°C)	22	22	23	21	22		
Min Temp (°C)	13	13	13	12	12		
Cloud Coverage	Partially clear		Partially clear	Partially clear	Mainly cloudy		
Max RH (%)	100	100	100	100	96		
Min RH (%)	54	51	52	40	66		
Wind Speed (KmpH)	3	2	2	4	4		
*Wind Direction	S	S-E	S-E	E	S-E		
		Easterly- N-E, Eas					
		Westerly- <mark>S-W</mark> , We					
		-30, 2018 (Percent					
Aizawl- 496.0 mm	· · · · · · · · · · · · · · · · · · ·		Saiha- 140.6 mm		- 334.8 mm		
(185.6 mm)		119.4 mm)	(109.8 mr		(213.6 mm)		
Lawngtlai-157.2 mm			Mamit-388.3 mm		p-158.4 mm		
(101.5 mm)		117.6 mm)	(236.2 mn		(214.2 mm)		
Weather summary	-	Weather fore		n 30 th May, 201	18 To 03 rd		
three day		June, 2018.					
Maximum Tem. (°C):2	29-30°C	There are chances of moderate rainfall during the next 5					
Minimum Tem. (°C):1	8-19°C	days. The maximum and minimum temperatures for the					
Maximum RH (%):95-	99%						
Minimum RH (%):63-8	82%	next 5 days may range for 21-23°C and 12-13°C. Maximum relative humidity is expected in the range of 96-					
Wind Direction: Sout	heasterly	100% and minimum may from 40-66%. Wind direction					
Cloud cover: Partially	v clear						
Wind speed: 2-3 km/		would be southerly to southeasterly to easterly and					
		southeasterly with the wind speed of 2-4 km per hour.					
Rainfall: 12.6 mm		Partially clear sky will prevail during the next five days.					
		Weekl	y cumulative i	rainfall: 78.0 1	mm		
NDVI for Mizoram		North East Region 25	Mildly dry	condition of	curs in all		
		~	districts of		in un		
		23	uistricts of				
		OUT I	1				
		b					
		Agriculture vigeur is moderate over some of the region.	parts N				
		P N	2				
					1 P a g e		

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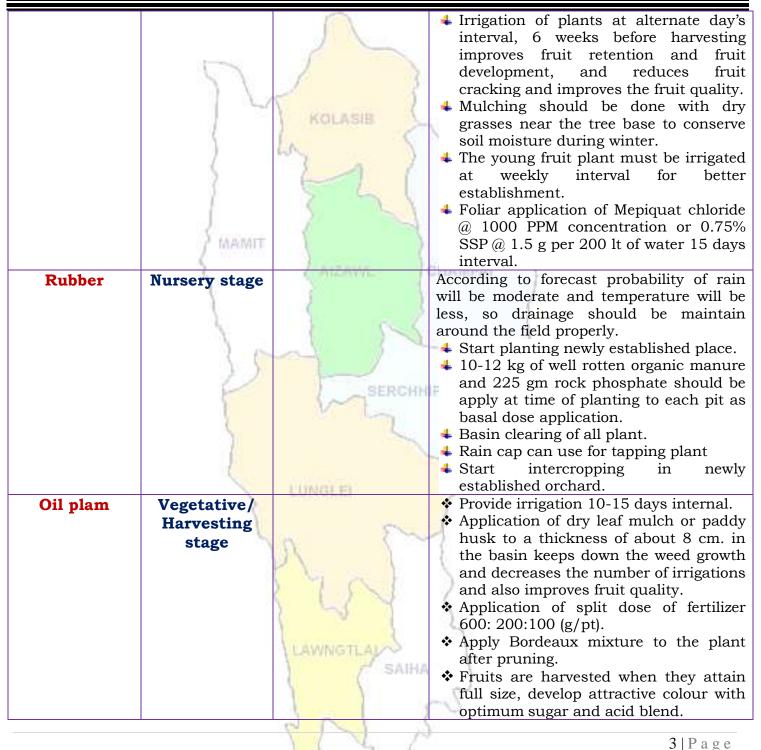


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	
KHASI	Nursery and	20	According to forecast probability of rain will
MANDARIN	gap filling	Course in	be moderate and temperature will be less,
AND ACID	stage	KOLASIB	so drainage should be maintain around the
LIME	Stage	En S	field properly.
	1	1 . 1	4 By seeds: Seed should be sown in the
STAR FRUIT	2		nursery immediately after extraction in
	1	2 5	to a depth 1.5 to 2 cm extraction at
	1	2 24	10x5 cm distance. Seedlings are planted
PLUM AND	Second and		in secondary bed or polythene bags at 4-
PEACH	J' MAMIT		6 leaf stages.
	S	LAIZAWAL I	4 Potting mixture of soil, sand and FYM or
		A Martines	compost should be in proper ratio.
)	4 Application of split dose of fertilizer 600:
	200	N 6. 1	200:100 (g/pt).
			Only certified seed should be used.
	2 6		4 Stagnation of water in beds should be
	1)		avoided.
	5	SERCH	4 In the citrus belt, trees can be planted
	1		at any time; however, pre-monsoon is
	5		the best time for transplant or gap
			filling.
			4 Standard-size trees should be spaced 12
	100	WHITESTERY	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
			bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	Leaf minor- Spray confidor 0.05% (0.5
		Citrus greening,	ml/lit of water) at each flush emergence.
		Dieback, Lamon	Citrus Canker- Apply bacterimycin
		butterfly and leaf minor	@0.6 g/lt of water.
		leal minor	word grit of water.
PLANTATION CR			If dow temperature and prolong dry
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry spell occur it lead to Floral
	stage		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
		001	Alabica aliu Filik Flower ili Robusta.
		VI VI C	2 P a g e



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ICAR RESEARCH COMPLEX FOR NEH REGION



Passion Fruit Nurse	ry stage	 Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.
	KOLASIB	 When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND PULSE (
	etative cage	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
S	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CROP		
Ginger and turmeric	LAWNGTLAY SAIH	 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
	6171	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		D	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		 According to forecast probability of
us crop	88-		rain will be moderate and temperature
	5	λ	will be less, so drainage should be
	1 6	1 3	maintain around the field properly.
		V company of the	✤ Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	1	En S	4 In large gardens apply carbaryl 0.2 per
	1	~ ~)	cent or malathion 0.15 per cent
	2		suspension containing sugar or
	2	5 6	jeggery at 10 g/1 at fortnightly
	í í	5 54	intervals at flowering and fruit
	Remain		initiation against fruit fly and
	/ MAMIT	1	pumpkin beetle.
Chilli	Vegetative to	LARZAWL I	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	1 1	will be less, so drainage should be
	200	3 and	maintain around the field properly.
	1 1		Earthing up soil for better growth and
			 stability in root zone. Don't use split dose of any nitrogenous
	11		fertilizer for better growth.
		SERCHN	4 If possible use straw mulch/ grass
	1	V La	mulch in row to prevent moisture loss
	5		and better growth of plant.
	1	Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
	d'		or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	the second s	fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	SS-	According to forecast probability of rain
Compea	stage	A (~~	will be moderate and temperature will
	stage		be less, so drainage should be maintain
		1 7 Rol	around the field properly.
			4 Earthing up soil for better growth and
		1 20 1	stability in root zone.
		And the second sec	4 Don't use split dose of any nitrogenous
		LAWNGTLAU	fertilizer for better growth.
Okra	Vegetative	/ SAIHA	According to forecast probability of rain
	stage	1 1	will be moderate and temperature will
		1 5 1	be less, so drainage should be maintain
		N N N	around the field properly.
		1 C L C	5 P a g e



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Colocasia	Sowing stage	KOLASIB	 Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL SERCHH	 In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWINGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection
		P N N	<u>v</u>
			6 P a g e



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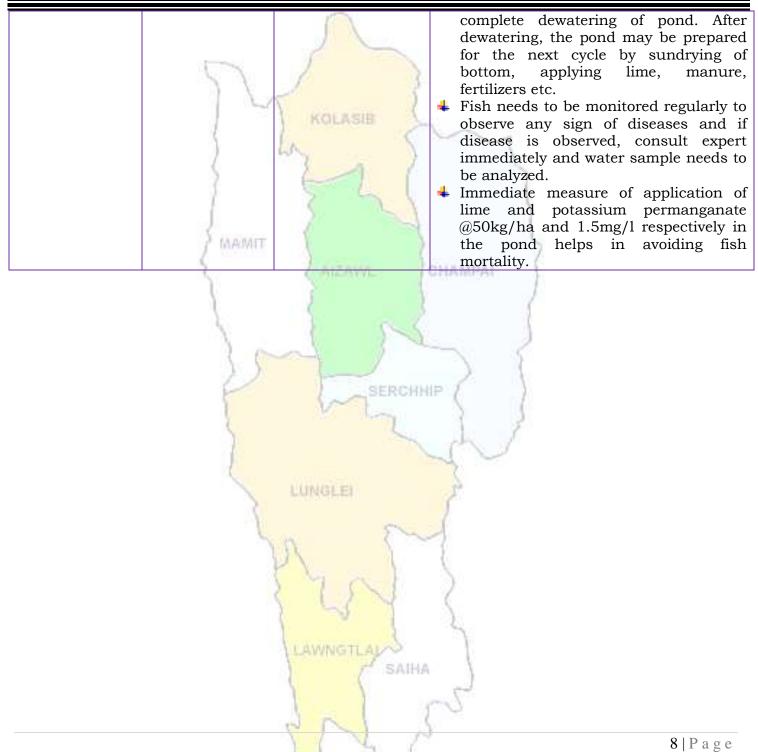


10.11K		
Poultry	All age group	followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with littl potash (KMnO4) or neem leaves. Long hair near th udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidia
louitry	MADMIT	 drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthind drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-1 days: Intermediate plus/IBI vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days
FISHERY	290	0
	Monitoring of fish in pond	 Care should be taken that fish are fewith feed that are free from fungus. the fungal growth is observed in fis feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool an dry place to av oid fungal growth that release aflatoxin which could lead to mortalit of fish. Fish harvesting may be carried out be
	LAWNG	 few days prior to feeding. Fish feed should be stored in c dry place to av oid fungal growth that a aflatoxin which could lead to m of fish.



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



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LAWNGTLA SAIHA

9 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

	Bulletin No: -	794/2018/	Bulletin/Mizo
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Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

		- 14 C			
Parameters	30.05.2018		01.06.2018	02.06.2018	03.06.2018
Rainfall (mm)	17	15	19	17	10
Max Temp (°C)	22	22	23	21	22
Min Temp (°C)	13	13	13	12	12
Cloud Coverage	Partially clear	· Mainly cloudy	Partially clear	Partially clear	Mainly cloudy
Max RH (%)	100	100	100	100	96
Min RH (%)	54	51	52	40	66
Wind Speed (KmpH)	3	2	2	4	4
*Wind Direction	S	S-E	S-E	E	S-E
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,	
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Pre Mo Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champh	-30, 2018 (Percent ai- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	of deviation from Saiha- 140.6 m (109.8 m Mamit-388.3 m (236.2 m	m Kolasib nm) m Serchhi	nthesis) - 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)
Weather summary of three day		30 th May – 03 rd June, 2018 chhunga sik leh sa dinhmun tur tlangpui			
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):95- Minimum RH (%):63-3 Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/3	8-19°C 99% 82% heasterly 7 clear	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-23°C a ni ang a. A vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai berin 96-100% leh a hniam lai berin 40-66% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.			
Rainfall: 12.6 mm		Weekly cumulative rainfall: 78.0mm			
NDVI for Mizoram		North East Region	districts of	condition oo Mizoram.	ocurs in all
		1 / L	12		1 Page

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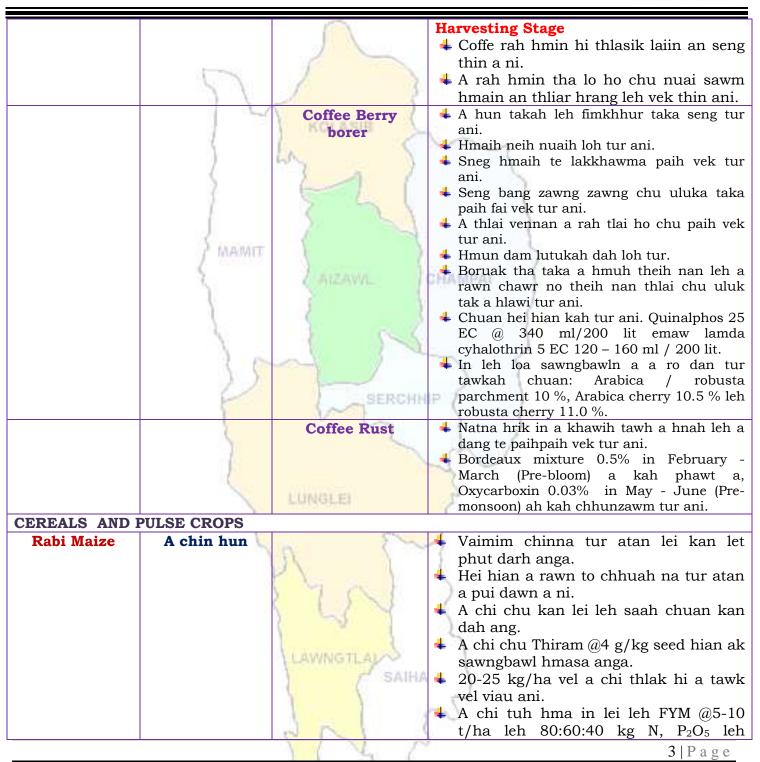


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.			
LIME)	La N	👍 Thlai naupang deuah chuan chawlh			
		3 4 1	kar tin a tui pek thin tur ani.			
BANANA	1		🖊 Leia tha mamawh tawk a hmuh			
	6	2 5	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	(meaning	5	taka pek hian a rah tla tur chelh nan			
DI LIM AND	3.0	Z AIZAWIL I	leh a rah than that nan te leh a rah			
PLUM AND			keh tur lakah t a veng thei ani.			
PEACH	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			
	5.0	greening and Dieback	a trangah te hnawih tur ani.			
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a			
	1	FILICITY ROAM	rah tan tirin chawlhkar hnih chhung chu			
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2			
	S		percent emaw malathion 0.15 percent			
	1		suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages	energy second l	Nursery stage			
		C	+ Thlai chi thlak hma in Azospirillum leh			
	5	n (~	Phosphobacterium a enkawl tur ani.			
	j j		A chi hi December – January ah hmun			
		1 march	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.			
			Chuan a chi chu lei tlem te a chhilh a			
		1 -2 1	buhpawla khuh tur ani.			
			 Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		- SAIHA	ani.			
		1 1	Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		VIV A	2 P a g e			
			2 1 a g c			



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



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Onion and capsicumNursery stagePoly houseThlai 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 house4 A than a that theih nan nikhat danah tui pek thin tur ani.Thai bul vawn hnawn nana thia bul hnim ring vawn khawn hi tui pek zawhah dah tur ani.Thlai bul vawn hnawn nana thiai bul hnim ring vawn khawn hi tui pek zawhah dah tur ani.Phytopthora blight4 A than a that theih nan thiram 3g/kg sed emaw Triehoderma viride 4gr metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.French beanSowing stage4 Tui pek à hnihanh hringa khuh tur ani a. than a that theih nan tui pek hani hnin tui pek han a that theih nan tui pek han in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek inhihanh hringa khuh tur ani a. than a that theih nan tui pek hani nah hini tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hanah hi di dum a rawn awm thina, hei hi natna tlanglawn ber ani.Carrot and radishSowing stage4 A than a that heih nan nikhat danah tui pek hanah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thi pek hanah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.5 Thia hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.				
capsicumtui pek thin tur ani.capsicumtui pek thin tur ani.tui pek thin tur ani.Thia ibul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thia ibhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.French beanSowing stageFrench beanSowing stageCarrot and radishSowing stageCarrot and radish <th>Orier and</th> <th></th> <th>KOLASIB</th> <th> Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. </th>	Orier and		KOLASIB	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageImage: Carrot and radishCarrot and radishSowing stage		}	AIZAWA	 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 chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		25		 Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 Tui pek 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
			P () 2	5 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAT	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 tu thianghlim an mamawh tawk an hmu tur ani a.
		900	6 P a g e



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	5	\sum		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	La S	\sim	1-6 ah F1 vaccine pek tur ani a, chuan
	(3 4 1		a puitlingh chuan R ₂ B vaccine pek tur
	1		-	ani. Recomplay with entipedies
		4 th weeks		B complex with antibodies Coccidiosis- Amprolium or
		T- WCCKS	-	Coccidiosis- Amprolium or coccidiostat
	/ MAGNIT	4-5 th Weeks	4	Calcium tonic fortified with B_{12}
FISHERY	2 - Marshield	T-O WEEKS	1111	Calcium tome for thick with B ₁₂
FISHERI	Manit - Sur	and a strength of the strength		Star 2765 1
	Monitoring	1	-	Sangha te hi chaw a hmuar kai le chauh pek thin tur ani. Sangha chaw a
	(Sangha	3 all		lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
			4	Sangha chaw hi a hmuar lohna turin
	11			hmun ro leh uap lutuk lo ah dahtha
	1	SERCHN	IP (tur ani a, hmuar atang a tur lo insean
	1	NY Long	- 6	thin, aflatoxin avang a sangha thi lal
	5			atangin sangha a him phah thin.
	1		+	Dil sah kang veka sangha man thin
	at a		1	hian a kumleh a sangha khawinan a d
		LUNGLEI	03	buatsaih a ti awlsam a, dil mawn
	3	and the second second	5	phoro, chinai phul, leitha hman leh tu
		550	1	dang in dil buatsaih tur ani.
		n $(\sim$	1	Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil
			2	chuan mithiam te rawn vat a, diltu
		125 6 6	0	enfiah vat tur ani.
		1 LAY	4	A ranglam a chinai @50kg/ha lel
			2	tuisen @1.5mg/l diltui a hman hiai
		LAWNGTLAL		sangha natna avang a thi tur lal
		F SAIHA		atangin a veng thei.
			2	5
		8 N 1)	710
		4 6		7 P a g e

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LAWNGTLAL SAIHA

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Guwahati)



District: Kolasib

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Rainfall (mm)	18	20	26	13	10		
Max Temp (°C)	33	31	32	32	31		
Min Temp (°C)	14	14	15	15	15		
Cloud Coverage	Partially clear		Partially clear	Partially clear	Mainly cloudy		
Max RH (%)	100	<u>98</u>	100	100	91		
Min RH (%)	51	57	54	58	52		
Wind Speed (KmpH)	2	2	2	2	3		
*Wind Direction	S-E	<u> </u>	E	N-E	S-E		
	-		_		5-E		
		Easterly- N-E, Eas					
		Westerly- S-W, We					
Aizawl- 496.0 mm		-30, 2018 (Percent 273.3 mm	of aeviation from Saiha- 140.6 mm		- 334.8 mm		
(185.6 mm)	· · · · · · · · · · · · · · · · · · ·	119.4 mm)	(109.8 mn		(213.6 mm)		
Lawngtlai-157.2 mm			lio9.8 mil. Iamit-388.3 mm		p-158.4 mm		
(101.5 mm)		117.6 mm)	(236.2 mn		(214.2 mm)		
Weather summary				n 30 th May, 201			
three day	-						
Maximum Tem. (°C):2		June, 2018.					
Minimum Tem. (°C):2		There are chances of moderate to heavy rainfall during the					
Maximum RH (%):94-		next 5 days. The maximum and minimum temperatures for					
Minimum RH (%):68-		the next 5 days may range for $31-33^{\circ}C$ and $14-15^{\circ}C$.					
Wind Direction: Sout		Maximum relative humidity is expected in the range of 98-					
	· · · · · · · · · · · · · · · · · · ·	100% and minimum may from 51-58%. Wind direction					
Cloud cover: Partially		would be southeasterly to easterly to northeasterly and southeasterly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.					
Wind speed: 2-3 km/	nr						
Delinfelli, 00.0 mm							
Rainfall: 20.9 mm			5 p. c. c.				
		Weekly cumulative rainfall: 87.0 mm					
NDVI for Mizoram		Read Ford Barrier		_			
NDVI for Mizoram		75 M 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990	5 5	condition oc	curs in all		
		AND 1	districts of	Mizoram.			
		Sugar -					
		2238					
		CAS-					
		B ==					
		Agriculture vigeut is moderate over some of the program.	parts 19				
		C N	2				
			12		1 Page		



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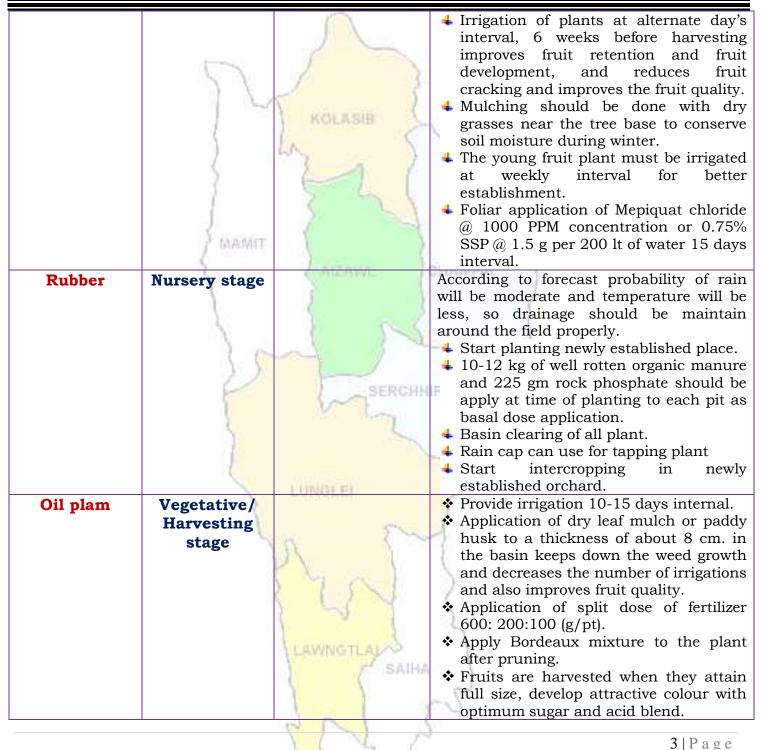
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Nursery and	8 8	According to forecast probability of rain will		
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,		
AND ACID	stage	NULASID >	so drainage should be maintain around the		
LIME	Stage	an N	field properly.		
	(1 . 1	By seeds: Seed should be sown in the		
STAR FRUIT	2		nursery immediately after extraction in		
	1	2 5	to a depth 1.5 to 2 cm extraction at		
		24	10x5 cm distance. Seedlings are planted		
PLUM AND	R. marine		in secondary bed or polythene bags at 4-		
PEACH	/ MAMIT		6 leaf stages.		
	S	LAIZAWAL I	+ Potting mixture of soil, sand and FYM or		
		and the second s	compost should be in proper ratio.		
	1	1	4 Application of split dose of fertilizer 600:		
	1	1 10 11	200:100 (g/pt).		
	1		Only certified seed should be used.		
	2 6		4 Stagnation of water in beds should be		
))		avoided.		
		SERCH	4 In the citrus belt, trees can be planted		
	1	V	at any time; however, pre-monsoon is		
	5		the best time for transplant or gap		
			filling.		
	0.6		Standard-size trees should be spaced 12		
	all and a second	March Second	to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	5		distance depends on the variety. The		
		5	bigger the fruit, the farther the distance.		
		Gummosis,	Lamon butterfly- Spray monocrotophos		
		citrus Canker,	@0.04% @1.2 ml/lt of water.		
		Citrus greening,	Leaf minor - Spray confidor 0.05% (0.5		
		Dieback, Lamon	ml/lit of water) at each flush emergence.		
		butterfly and	Citrus Canker - Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CR	-				
COFFEE	Blooming	SAIH/	+ If day temperature and prolong dry		
	stage		spell occur it lead to Floral		
			abnormalities like "Star Flower" in		
Arabica and "Pink Flower" in Robusta.					
		VIL /	2 P a g e		

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		~	
Passion Fruit	Nursery stage	KOLASIB	 Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	PULSE CROPS		
Maize (Jhum)	Vegetative stage	AIZAWL	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Jhum Rice	Germination stage	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	-		
Ginger and turmeric	Sowing stage	LAWNGTLAY	 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
		4 6	4 P a g e



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		1	month and 25% at flowering store
Cucurbitaceo	Fruiting stage		 month and 25% at flowering stage. 4 According to forecast probability of
	Fluiting stage		rain will be moderate and temperature
us crop			will be less, so drainage should be
	2.1	5 5	maintain around the field properly.
		5	 Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	1	0	 In large gardens apply carbaryl 0.2 per
)	60 J	cent or malathion 0.15 per cent
		1 1	
	1		
	6	2 21	jeggery at 10 g/l at fortnightly intervals at flowering and fruit
		21	8
	MAMIT		initiation against fruit fly and
Chilli			pumpkin beetle.
Chilli	Vegetative to	LAIZAWAL I	According to forecast probability of rain will be moderate and temperature
	flowering		
	stage	1 2 3	will be less, so drainage should be
	100	3 al	 maintain around the field properly. Earthing up soil for better growth and
			stability in root zone.
			 Stability in root zone. Don't use split dose of any nitrogenous
	11		fertilizer for better growth.
	-	SERCHN	4 If possible use straw mulch/ grass
	3	V	mulch in row to prevent moisture loss
	5		and better growth of plant.
		Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
	100		or malathion 0.15 per cent suspension
	1	LUNGLEI	containing sugar or jeggery at 10 g/l at
	2	Providence and a second	fortnightly intervals at flowering and fruit
		2000	initiation.
Cowpea	Vegetative	n ?~~	According to forecast probability of rain
	stage	1	will be moderate and temperature will
		The set V	be less, so drainage should be maintain
		2 1 5 1	around the field properly.
		1 55 7	4 Earthing up soil for better growth and
			stability in root zone. Don't use split dose of any nitrogenous
		LAWNGTLAL	fertilizer for better growth.
Okra	Vegetative	SAIHA	 According to forecast probability of rain
UKIA	-	((will be moderate and temperature will
	stage		be less, so drainage should be maintain
		1 2 1	around the field properly.
			<u> </u>
			5 P a g e



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Colocasia	Sowing stage	KOLASIB	 Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	 In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWINGTLAY	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection
		6 1 1 2	Y
			6 P a g e



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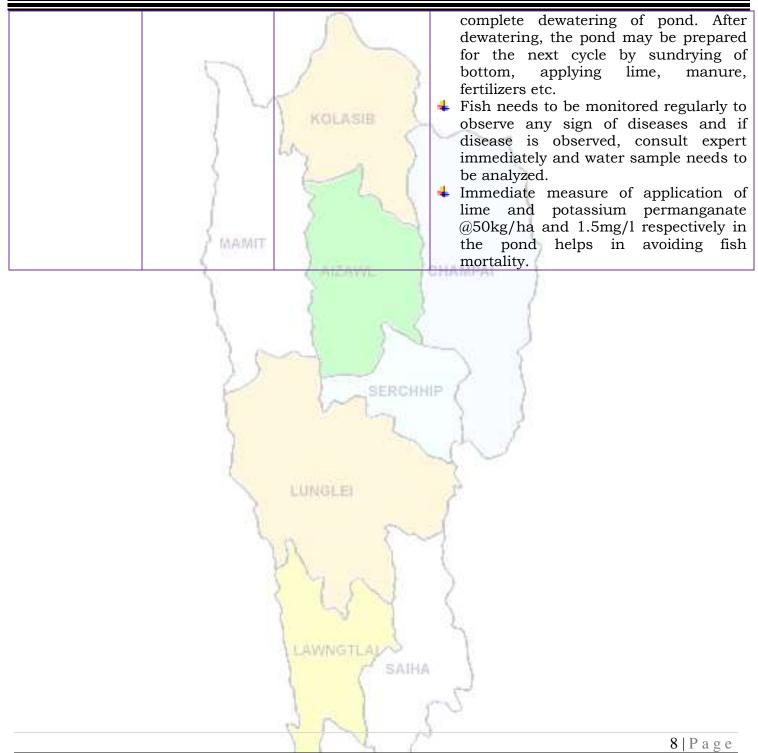


Poultry	All age group	KOLASIB	 followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial
Poultry	All age group	LUNGLEI	 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.
FISHERY	- Ar	05	
	Monitoring of fish in pond	LAWNGTLA	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. 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. Fish harvesting may be carried out by
		PN A	Fish harvesting may be carried out by 7 P a g e



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LAWNGTLA SAIHA

9 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Bulletin No: - 79	94/2018/	Bulletin/Mizo
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1

A.,

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

		- 1 F - 1				
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	18	20	26	13	10	
Max Temp (°C)	33	31	32	32	31	
Min Temp (°C)	14	14	15	15	15	
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Partially clear	Mainly cloudy	
Max RH (%)	100	98	100	100	91	
Min RH (%)	51	57	54	58	52	
Wind Speed (KmpH)	2	2	2	2	3	
*Wind Direction	S-E	E	E	N-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- S-E,		
		Westerly- <mark>S-W</mark> , We	•	•		
Status of Pre Mo Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champha	-30, 2018 (Percent ai- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	of deviation from Saiha- 140.6 mm (109.8 m Mamit-388.3 mm (236.2 m	m Kolasib 1m) m Serchhi	nthesis) - 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)	
Weather summary	of the past					
three day	-	30 th May – 03 rd June, 2018 chhunga sik leh sa				
		dinhmun tur tlangpui				
Maximum Tem. (°C):29-30°C Minimum Tem. (°C):22-23°C Maximum RH (%):94-100% Minimum RH (%):68-78% Wind Direction: Southeasterly Cloud cover: Partially clear Wind speed: 2-3 km/hr		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31-33°C a ni ang a. A vawh lai ber in 14-15°C ni tura beisei a ni. RH san lai berin 98-100% leh a hniam lai berin 51-58% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Rainfall: 20.9 mm		Weekly cumulative rainfall: 87.0mm				
NDVI for Mizoram		North East Region 29.5a	Mildly dry districts of	condition oo Mizoram.	curs in all	
		612	P		1 Page	

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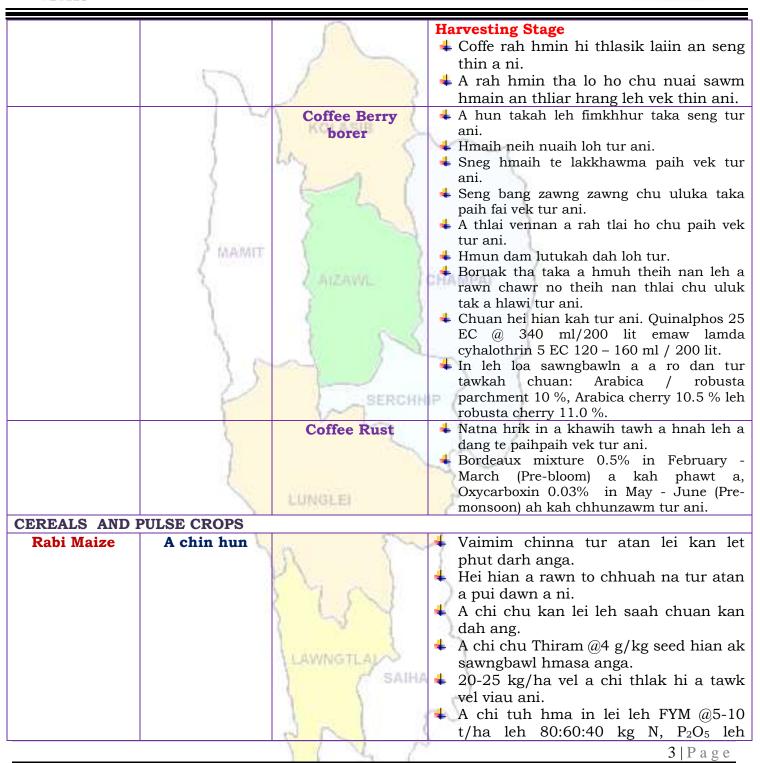


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	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
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	3. C	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 him natus a stam duk a Sail hama natus
		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 L	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
	1	100 C	+ Thlai chi thlak hma in Azospirillum leh
		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 diala dhin a alan alan
			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 tui pek thin tur ani.
lentil toria, breen gram and black gram cultivation in rice fellow	A PARTA	"FL	 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
		VIV A	4 P a g e



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	2	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.
Onion and capsicum	Nursery stage	Poly house	 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. Thlai chhina hmun (nursery) hi hnim a
	AMAMIT	Phytopthora	 to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani. A chi ven that nan thiram 3g/kg seed
	35	blight	 A chi ven that than thintain og ing secta 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	LAWNGTLAN	 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
		SAIHA	chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	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	LAWNGTLAN	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		8 N 2	6 P a g e



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

	1 1	je.	1				
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Rainfall (mm)	18	4	10	11	8		
Max Temp (°C)	30	30	30	29	29		
Min Temp (°C)	13	13	12	12	12		
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	100	97	100	99	96		
Min RH (%)	56	52	51	54	57		
Wind Speed (KmpH)	3	2	2	3	5		
*Wind Direction	S-E	S-E	S-E	N-E	S-E		
		Easterly- <mark>N-E</mark> , Easterly-					
		Westerly- <mark>S-W</mark> , We					
		-30, 2018 (Percent					
Aizawl- 496.0 mm			Saiha- 140.6 mm		- 334.8 mm		
(185.6 mm)		119.4 mm)	(109.8 mm		(213.6 mm)		
Lawngtlai-157.2 mm (101.5 mm)		336.4 mm l 117.6 mm)	Mamit-388.3 mm (236.2 mm		p-158.4 mm (214.2 mm)		
Weather summary				n 30 th May, 201	· · · · ·		
		weather lore			10 10 03.4		
three day		701 1	June, 2		11 1 • .1		
Maximum Tem. (°C):2 Minimum Tem. (°C):1		There are chance		0	0		
Maximum RH (%):97-		next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 12-13°C.					
Minimum RH (%):62-			2 0				
Wind Direction: Sout		Maximum relativ	2	÷	U		
Cloud cover: Partially		100% and minimum may from 51-57%. Wind direction					
Wind speed: 2-3 km/		would be southeasterly to northeasterly and southeasterly					
wind speed. 2-5 km/l		with the wind sp	beed of 2-5 km	per hour. Parti	ally clear sky		
Rainfall: 14.3 mm		will prevail durir	ng the next five	days.			
Kalillall. 14.5 lilli		-	0	5			
		Weekl	y cumulative i	rainfall: 51.0 1	mm		
NDVI for Mizoram				condition of			
		~	districts of		curo in un		
			uistricts of	wiizorain.			
		Front AS	i l				
			1				
		AB.	= J.				
		Agriculture vigour is moderate over some of the	parts Is				
		000					
		VIN	M		1 Page		
					· · · · · · · ·		



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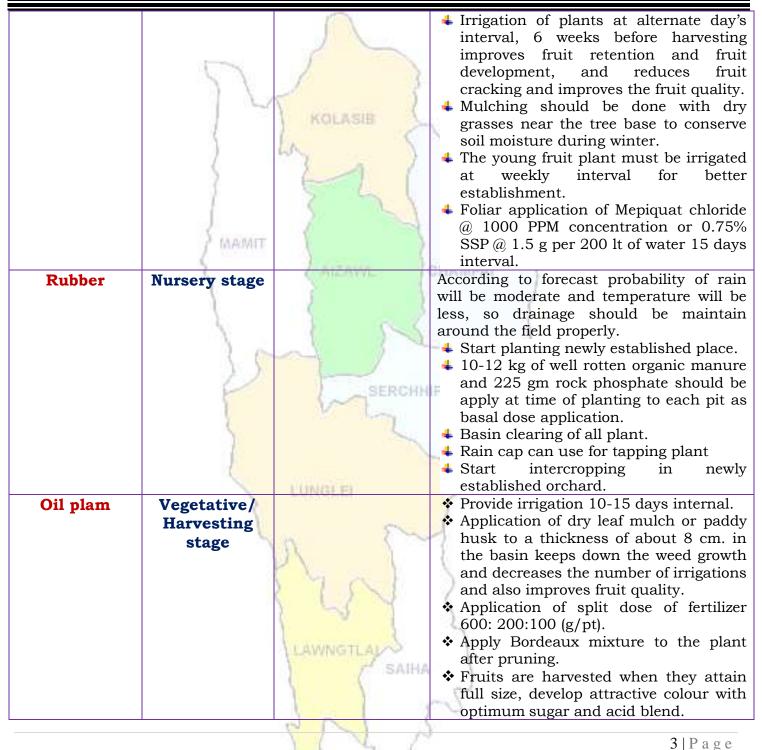


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	
KHASI	Nursery and	20	According to forecast probability of rain will
MANDARIN	gap filling	Course in	be moderate and temperature will be less,
AND ACID	stage	KOLASIB	so drainage should be maintain around the
LIME	Slage	En S	field properly.
	(1 . 1	By seeds: Seed should be sown in the
STAR FRUIT	2		nursery immediately after extraction in
	1	2 5	to a depth 1.5 to 2 cm extraction at
	1	2 24	10x5 cm distance. Seedlings are planted
PLUM AND	Real and the		in secondary bed or polythene bags at 4-
PEACH	/ MAINIT		6 leaf stages.
	S	LAIZAWL I	+ Potting mixture of soil, sand and FYM or
		A Martines	compost should be in proper ratio.
)	4 Application of split dose of fertilizer 600:
	100	N 6. 1	200:100 (g/pt).
			Only certified seed should be used.
	2 6		4 Stagnation of water in beds should be
	1)		avoided.
	5	SERCH	I In the citrus belt, trees can be planted
	1	\mathcal{V}	at any time; however, pre-monsoon is
	5		the best time for transplant or gap
			filling.
			Standard-size trees should be spaced 12
	100	WHEN IN THE YEAR	to 25 feet apart and dwarf trees should
		LUNGLEI	be set 6 to 10 feet apart. The exact
	1		distance depends on the variety. The
			bigger the fruit, the farther the distance.
		Gummosis,	Lamon butterfly- Spray monocrotophos @0.04% @1.2 ml/lt of water.
		citrus Canker,	Leaf minor- Spray confidor 0.05% (0.5
		Citrus greening,	ml/lit of water) at each flush emergence.
		Dieback, Lamon	Citrus Canker- Apply bacterimycin
		butterfly and leaf minor	@0.6 g/lt of water.
DI ANTATION OD	OP	leal minor	wo.o g/it of water.
PLANTATION CR		and the state of the	If day temperature and prolong dry
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry spell occur it lead to Floral
	stage		abnormalities like "Star Flower" in
			Arabica and "Pink Flower" in Robusta.
		001	Alabica aliu Filik Flower ili Kobusta.
		1146	2 P a g e



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Passion Fruit Nursery stage CEREALS AND PULSE CROPS Maize Vegetative	 Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
Moize Vecetative	
Maize Vegetative	
(Jhum) stage	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Jhum Rice Germination stage	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and
VEGETABLE CROP	
Ginger and turmeric Sowing stage	 4 Rhizome should be treated with Thiram @4 g/kg seed. 4 Use optimum seed rate (50-60 kg/ha) for desire plant population. 4 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
619	4 Page



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		0	month and 25% at flowering stage
Cucurbitaceo	Fruiting stage		 month and 25% at flowering stage. 4 According to forecast probability of
	Fluiting stage		rain will be moderate and temperature
us crop			will be less, so drainage should be
	2.1	5 5	maintain around the field properly.
		5	 Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	1	0	 In large gardens apply carbaryl 0.2 per
)	an S	cent or malathion 0.15 per cent
		1 1	
	1		
	f.	2 2 1	jeggery at 10 g/l at fortnightly intervals at flowering and fruit
		21	S S
	AMAMIT		initiation against fruit fly and
CL:11 :			pumpkin beetle.
Chilli	Vegetative to	ATZAWIL /	+ According to forecast probability of
	flowering		rain will be moderate and temperature will be less, so drainage should be
	stage	1 2 3	
	100	3 al	 maintain around the field properly. Earthing up soil for better growth and
			stability in root zone.
			 Stability in root zone. Don't use split dose of any nitrogenous
	11		fertilizer for better growth.
		SERCHN	4 If possible use straw mulch/ grass
	3	V La	mulch in row to prevent moisture loss
	5		and better growth of plant.
		Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
	100		or malathion 0.15 per cent suspension
	1	LUNGLEI	containing sugar or jeggery at 10 g/l at
	5	Provide Statement	fortnightly intervals at flowering and fruit
		2000	initiation.
Cowpea	Vegetative	n ?~~	According to forecast probability of rain
	stage	1 16	will be moderate and temperature will
		The set V	be less, so drainage should be maintain
		2 1 5 1	around the field properly.
		1 55 7	4 Earthing up soil for better growth and
			stability in root zone. Don't use split dose of any nitrogenous
		LAWNGTLAL	fertilizer for better growth.
Okra	Vogetative	SAIHA	 According to forecast probability of rain
UKIA	Vegetative	((will be moderate and temperature will
	stage		be less, so drainage should be maintain
		1 2 1	around the field properly.
			<u> </u>
		I the f	5 P a g e



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Colocasia	Sowing stage	KOLASIB	 Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	 In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection
		8 S A	
			6 P a g e



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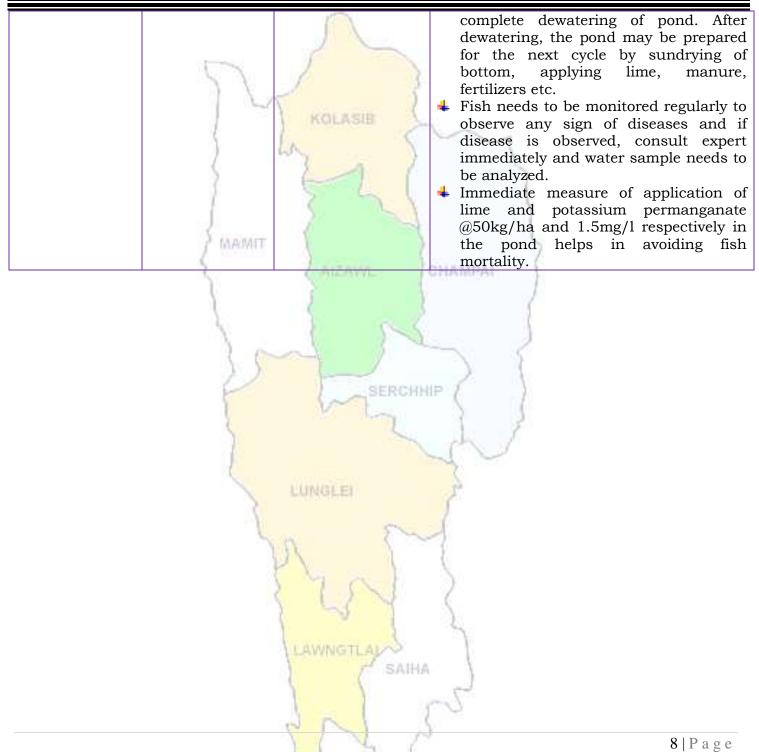


		KOLASIB	 followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial
Poultry	All age group	LUNGLEI	 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.
FISHERY	1	0	
	Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. 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. Fish harvesting may be carried out by
		CIN A	7 P a g e



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



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LAWNGTLA SAIHA

9 | P a g e



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Guwahati)



District: Lawngtlai

	Bulletin No	- 794	/2018/	Bulletin	Mizo
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Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

		F	4.0			
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	18	4	10	11	8	
Max Temp (°C)	30	30	30	29	29	
Min Temp (°C)	13	13	12	12	12	
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy	
Max RH (%)	100	97	100	99	96	
Min RH (%)	56	52	51	54	57	
Wind Speed (KmpH)	3	2	2	3	5	
*Wind Direction	S-E	S-E	S-E	N-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Pre Mon Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champh	1-31, 2018 (Percent ai- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	t of deviation fro Saiha- 140.6 mm (109.8 m Mamit-388.3 mm (236.2 m	m Kolasib nm) m Serchhij	enthesis) - 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)	
Weather summary	of the nast			18 chhunga		
three day	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	U	SIR ICII Sa	
		dinhmun tur tlangpui Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):97- Minimum RH (%):62-' Wind Direction: South Cloud cover: Partially Wind speed: 2-3 km/1	6-19°C 100% 79% heasterly v clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin of 96-99% niin. Thli hi dar awi zawngin a tl hian khawthiang	Khua a lum lai 12-13ºC ni tu leh a hniam la kar khatah 2-5 eh rin a ni. A tl	berin 29-30ºC ura beisei a ni ai berin 51-57% 5 km vela chak angpuiin tun n	a ni ang a. A . RH san lai 6 ni tur a rin tin chhaklam	
Rainfall: 14.3 mm		Week	y cumulative	<mark>rainfall:</mark> 51.0r	nm	
NDVI for Mizoram		North East Region 29.4	Moderately conditions	wet mildly dr	y/mildly wet	
		612	P		1 P a g e	

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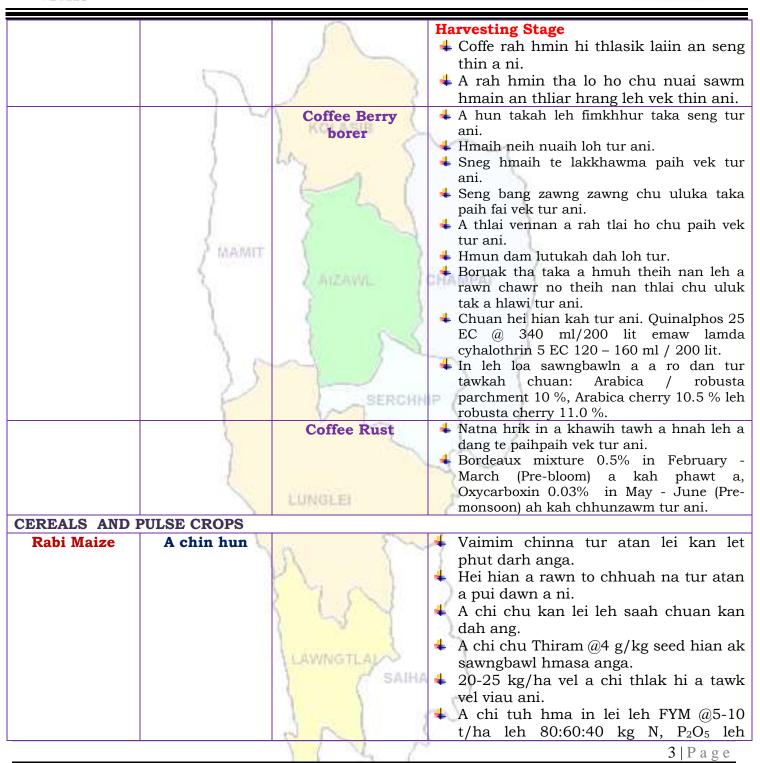


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		<u>.</u>	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 moundaire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



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



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5	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb
KOLASIB	@ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	 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. 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.
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.
LAWNGTLAL	Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
		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	LAWNGTLAK	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		001	6 P a g e



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 Preventive measures O-3 rd week Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitingh chuan R₂B vaccine pek tur ani. B complex with antibodies 4th weeks Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B₁₂ FISHERY 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 te hi chaw a hmuar kai lo chauh pek thin tur ani ni sa a phoro phawt tur ani. Sangha te hi chaw a hmuar lohna turin himun ro leh uap lutuk lo ah dahthat atangin sangha a him phah thin. Di la 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 tud dang in dil buatsaih tur ani. Sangha te natan lak atangin an him em th enfiah fo a tha a, natan humuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. 			
measures 1-6 ah F1 vaccine pek tur ani a, chuan a puitingh chuan R ₂ B vaccine pek tur ani. Homoson and the second sec			Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
 a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B₁₂ FISHERY 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 enfah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfah 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. 			
4th weeks 4 Coccidiosis- Amprolium or coccidiostat 4-5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4 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 enkawl) 4 Sangha te hi chaw a hmuar kai lo chauh pek thin 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 hiam sangha natna avang a thi tur lak atangin a veng thei.	meas		a puitlingh chuan R ₂ B vaccine pek tur ani.
Image: Constant in the second seco		4 th weeks	
4-5th Weeks Calcium tonic fortified with B12 FISHERY 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 Sangha tur ani. Sangha chaw hi Sangha tur ani. Dia 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.	19		
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	(Sangha	LUNGLEI	 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.
7 Page			7 Page



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	19	10	18	14	10	
Max Temp (°C)	32	32	33	33	29	
Min Temp (°C)	15	15	16	16	14	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy	
Max RH (%)	100	100	100	97	99	
Min RH (%)	47	48	47	45	69	
Wind Speed (KmpH)	2	2	2	4	4	
*Wind Direction	E	E	E	E	S-E	
Northe	rly- <mark>N</mark> , North-l	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
	nsoon- April 1-	30, 2018 (Percent				
Aizawl- 496.0 mm	Champhai-		Saiha- 140.6 mm		- 334.8 mm	
(185.6 mm)		l 19.4 mm)	(109.8 mm		(213.6 mm)	
Lawngtlai-157.2 mm	Lunglei- 3		lamit-388.3 mm		p-158.4 mm	
(101.5 mm)		17.6 mm)	(236.2 mm		(214.2 mm)	
Weather summary		weather lore		n 30 th May, 201	18 To U3 rd	
three day			June, 2			
Maximum Tem. (°C):2		There are chanc			0	
Minimum Tem. (°C):1		days. The maxir				
Maximum RH (%):96-		next 5 days 1	may range fo	or 29-33°C at	nd 14-16 ⁰ C.	
Minimum RH (%):65-		Maximum relativ	e humidity is	expected in the	range of 97-	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	100% and mini	mum may fro	m 45-69%. W	ind direction	
Cloud cover: Partially	v clear	would be easterly to southeasterly with the wind speed of				
Wind speed: 2-3 km/		2-4 km per hour	2	2	-	
		next five days.	· · · ur thang orou	i ong min prove		
Rainfall: 07.2 mm	-	next nvc days.				
		Weekh	u oumulative	rainfall: 71.0	mm	
			-			
NDVI for Mizoram			windly dry	condition oc	curs in all	
		A33 1	districts of	Mizoram.		
		- Sugar				
		22583				
		(A)	}			
		B =-				
		Agriculture vigour is moderate over some of the program.	parts IS			
		6 N	2			
					1 P a g e	



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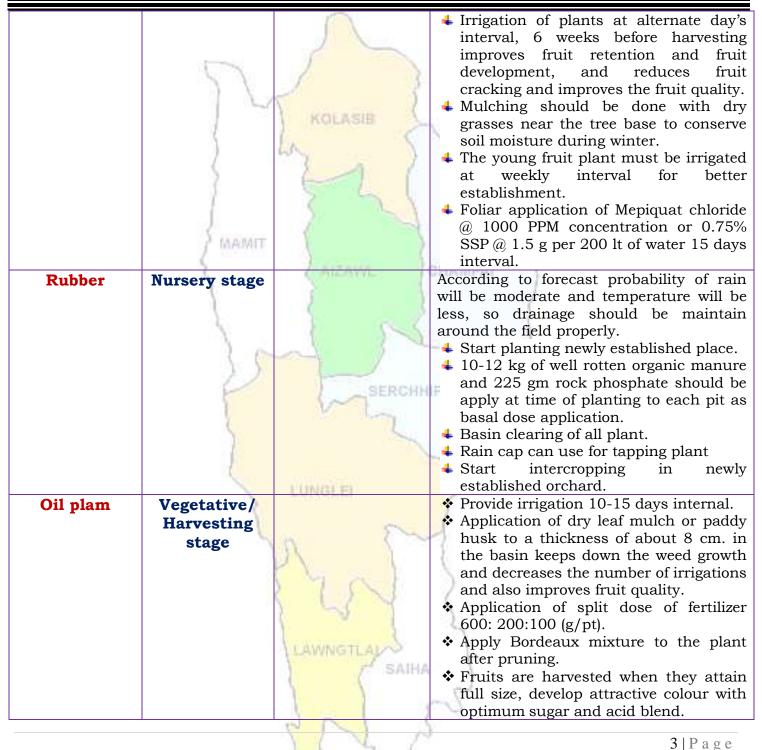
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	Nursery and	8 8	According to forecast probability of rain will		
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,		
AND ACID	stage	NULASID >	so drainage should be maintain around the		
LIME	Stage	an N	field properly.		
	(1 . 1	By seeds: Seed should be sown in the		
STAR FRUIT	2		nursery immediately after extraction in		
	1	2 5	to a depth 1.5 to 2 cm extraction at		
	(2 24	10x5 cm distance. Seedlings are planted		
PLUM AND	A second		in secondary bed or polythene bags at 4-		
PEACH	/ MAMIT		6 leaf stages.		
	5	ANZAWAL	+ Potting mixture of soil, sand and FYM or		
		Consectores 1	compost should be in proper ratio.		
	1	j	4 Application of split dose of fertilizer 600:		
	1	1 1 1 1	200:100 (g/pt).		
	1		4 Only certified seed should be used.		
	2 6	~ 1	4 Stagnation of water in beds should be		
	10)		avoided.		
	6	SERCH	4 In the citrus belt, trees can be planted		
	5	W T	at any time; however, pre-monsoon is		
	2		the best time for transplant or gap		
	0		filling.		
			4 Standard-size trees should be spaced 12		
	all a	National-Control of the	to 25 feet apart and dwarf trees should		
		LUNGLEI	be set 6 to 10 feet apart. The exact		
	5		distance depends on the variety. The		
		500	bigger the fruit, the farther the distance.		
	1	Gummosis,	Lamon butterfly- Spray monocrotophos		
		citrus Canker,	@0.04% @1.2 ml/lt of water.		
		Citrus greening,	Leaf minor- Spray confidor 0.05% (0.5		
		Dieback, Lamon	ml/lit of water) at each flush emergence.		
		butterfly and	Citrus Canker - Apply bacterimycin		
		leaf minor	@0.6 g/lt of water.		
PLANTATION CROP					
COFFEE	Blooming	J SAIH/	4 If day temperature and prolong dry		
	stage	1 1	spell occur it lead to Floral		
	-		abnormalities like "Star Flower" in		
		A R I	Arabica and "Pink Flower" in Robusta.		
2 P a g e					

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Passion Fruit	Nursery stage	KOLASIB	 Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds. When two to three leaves develop, seedling should be transplanted in polythene bags. The seedlings are planted in field when they become 3-4 months old. Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.
CEREALS AND	PULSE CROPS		
Maize (Jhum)	Vegetative stage	AIZAWL	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
Jhum Rice	Germination stage	LUNGLEI	 According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly. Earthing up soil for better growth and stability in root zone. Use split dose of any nitrogenous fertilizer for better growth.
VEGETABLE CR	OP		
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
		C N	
		1 4 6	4 P a g e



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		1	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		According to forecast probability of
	Finiting stage		rain will be moderate and temperature
us crop			will be less, so drainage should be
	2.1	5	maintain around the field properly.
		5	 Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	6	0	 In large gardens apply carbaryl 0.2 per
)	LA.	cent or malathion 0.15 per cent
		1 1	
	6	2 21	jeggery at 10 g/l at fortnightly intervals at flowering and fruit
		2	e e e e e e e e e e e e e e e e e e e
	AMAMIT		initiation against fruit fly and
01.111			pumpkin beetle.
Chilli	Vegetative to	ATZAWAL I	According to forecast probability of rain will be moderate and temperature
	flowering		-
	stage	1 2 3	will be less, so drainage should be maintain around the field properly.
		3 and	 Earthing up soil for better growth and
			stability in root zone.
			 Don't use split dose of any nitrogenous
	11		fertilizer for better growth.
		SERCHN	4 If possible use straw mulch/ grass
	3	V La	mulch in row to prevent moisture loss
	5		and better growth of plant.
	10	Fruit fly	 In large gardens apply carbaryl 0.2 per cent
	1		or malathion 0.15 per cent suspension
	1	LUNGLEI	containing sugar or jeggery at 10 g/l at
	2	Provide State and State an	fortnightly intervals at flowering and fruit
		200	initiation.
Cowpea	Vegetative	n Tr	According to forecast probability of rain
	stage	1	will be moderate and temperature will
		The set V	be less, so drainage should be maintain
		2 1 5 1	around the field properly.
		1 55 7	Earthing up soil for better growth and atability in most some
		1 2 3	stability in root zone.
		LAWNGTLAL	Don't use split dose of any nitrogenous fertilizer for better growth.
Okra	Vegetative	A SAIHA	 According to forecast probability of rain
UKIA	Vegetative		will be moderate and temperature will
	stage		be less, so drainage should be maintain
		1 2 1	around the field properly.
			* * *
			5 P a g e



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Colocasia	Sowing stage	KOLASIB	 Earthing up soil for better growth and stability in root zone. Don't use split dose of any nitrogenous fertilizer for better growth. Planting is done well prepared land or pits filled up with FYM (12-15) t/ha Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	 In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWINGTLAY	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection
		6 N N)
			6 P a g e



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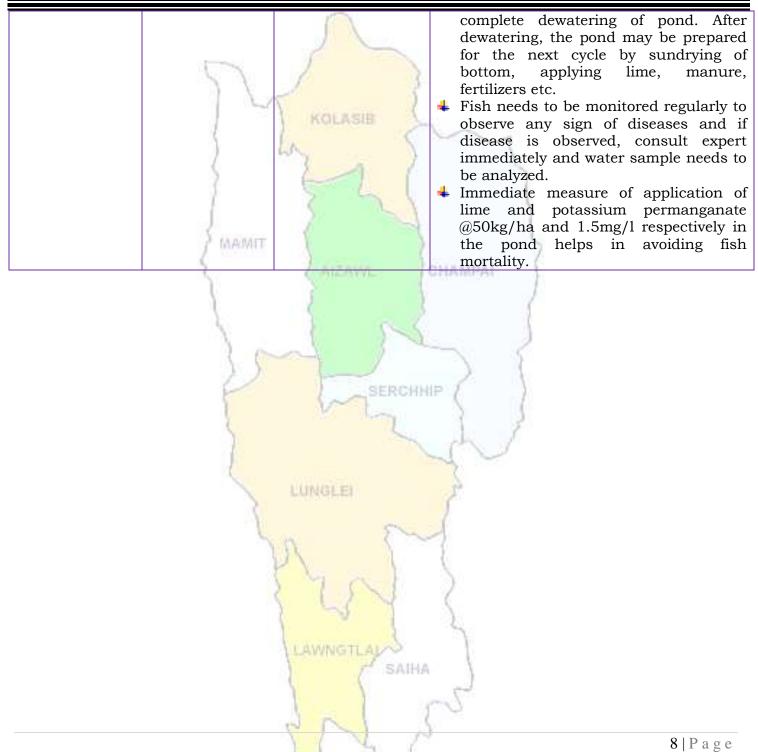


 vet supervision. Separate sick animals. The animal should be wallukewarm water added wallukewarm water added wa	ashed with with little ves. the should be
 drugs to poultry. Proper ventilation of shed. Provide glucose/electral a vitamin supplements (@5-birds) with adequate potable Avoid overcrowding. Provide broad-spectrum antidrugs under vet supervirecommended doses. Vaccination as per the sch proper consultation with vet. Day old chick: HVT Mar vaccine, 4-7 days:-F/Las days: Intermediate vaccine, 35 days: F/Laweeks: Chicken embryof fowl pox vaccine and 56 RD R-2B strain. 	long with 6ml/100 water ihelminthic ision and edule with rek disease sota, 14-18 plus/IBD asota, 6-7 o adopted
 fish in pond with feed that are free from the fungal growth is observe feed, the feed needs to be surfew days prior to feeding. Fish feed should be stored in dry place to av oid fungal growth that aflatoxin which could lead to of fish. 	fungus. If ved in fish andried for n cool and releases o mortality
	 All age group All age group All age group Provide preventive dose of an drugs to poultry. Provide preventive dose of an drugs to poultry. Provide glucose/electral a vitamin supplements (@5-birds) with adequate potable Avoid overcrowding. Provide broad-spectrum antidrugs under vet supervice commended doses. Vaccination as per the sch proper consultation with vet. Day old chick: HVT Mar vaccine, 4-7 days: F/Las days: Intermediate vaccine, 35 days: F/La weeks: Chicken embry fowl pox vaccine and 56 RD R-2B strain. Remove wet litter. Monitoring of fish in pond Care should be taken that fi with feed that are free from the fungal growth is observifeed, the feed needs to be su few days prior to feeding. Fish feed should be stored i dry place to av oid fungal growth that aflatoxin which could lead to the fungal growth that aflatoxin which could lead to the fungal growth that aflatoxin which could lead to the fungal growth that aflatoxin which could lead to the fungal growth that aflatoxin which could lead to the fungal growth that aflatoxin which could lead to the function function for the function function for the fun



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



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LAWNGTLA SAIHA

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

Guwahati)



District: Lunglei

Bulletin No: - 794/2018/ Bulletin/Mizo	Bulletin No:	- 794/2018/	Bulletin/Mizo
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Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

			1			
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	19	10	18	14	10	
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Min Temp (°C)	15	15	16	16	14	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Mainly cloudy	
Max RH (%)	100	100	100	97	99	
Min RH (%)	47	48	47	45	69	
Wind Speed (KmpH)	2	2	2	4	4	
*Wind Direction	E	E	E	E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,	·	
		Westerly- <mark>S-W</mark> , We				
Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champha Lunglei	30, 2018 (Percent ii- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	Saiha- 140.6 mm (109.8 m Mamit-388.3 mm (236.2 m	m Kolasib nm) m Serchhij nm)	- 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)	
Weather summary of three day		30 th May – 03 rd June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):96- Minimum RH (%):65-3 Wind Direction: Sout Cloud cover: Partially Wind speed: 2-3 km/3 Rainfall: 07.2 mm	6-18°C 99% 81% heasterly 7 clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 97-100% l niin. Thli hi dar awi zawngin a tle hian khawthiang	Khua a lum lai 14-16ºC ni tu eh a hniam la kar khatah 2-4 eh rin a ni. A tl	berin 29-33°C ura beisei a ni i berin 45-69% 4 km vela chak angpuiin tun n	a ni ang a. A . RH san lai o ni tur a rin tin chhaklam	
				rainfall: 71.0r		
NDVI for Mizoram		North East Region 29 fas	Mildly dry districts of	condition oc Mizoram.	curs in all	
		612	P		1 Page	

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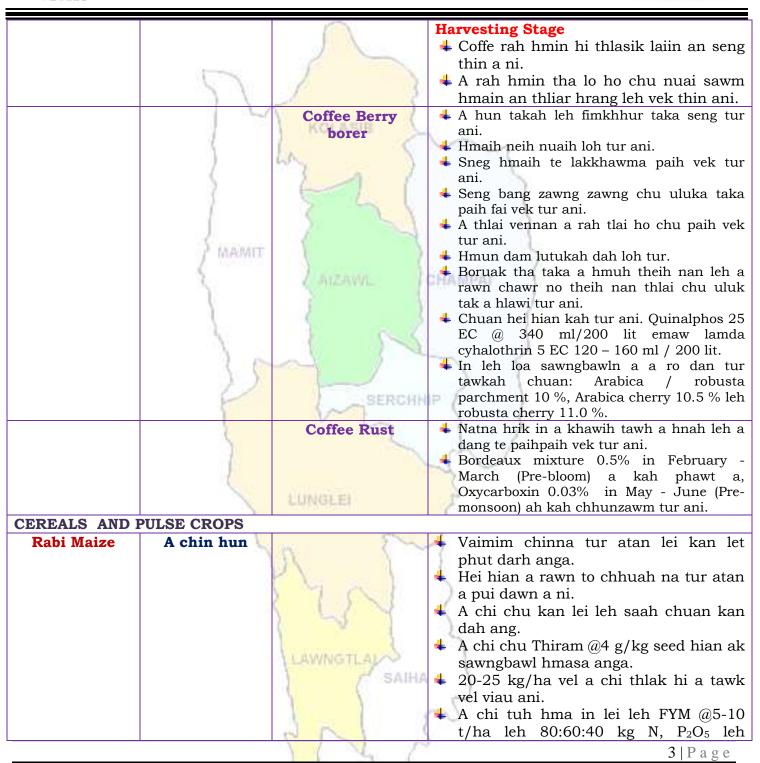


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	velah dahkhawm tur ani.
LIME)	La l	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 2	theihna turin a hmunhma a hnim awm
		24	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	T Intervent	5	taka pek hian a rah tla tur chelh nan
PLUM AND	3.0	2 ATZAWAL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5.0	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
	1	FILIT IY ROWN	rah tan tirin chawlhkar hnih chhung chu
	1	Mr. Long	heng te hian enkawl tur ani: carbaryl 0.2
	S		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		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.
		2	A chi hi December – January ah hmun
		1 A AL	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		1 -3 1	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	I	NR C	
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ICAR			
	2	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CRO	Sowing stage	AIZAWAL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAN	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek
		SAIHA	zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn



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



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ANIMAL HUSBE	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 tu thianghlim an mamawh tawk an hmu tur ani a.
		PN 2	6 P a g e



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Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
measures	U-O WCCK	1-6 ah F1 vaccine pek tur ani a, chuan
	W7 2)	a puitlingh chuan R ₂ B vaccine pek tur
2		ani.
		B complex with antibodies
	4 th weeks	4 Coccidiosis - Amprolium or
E INAGAIT		coccidiostat
7. 0.2550173	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	AIZAWIL	CHAMPAI
Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
	201	Y
	1 V V	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, Cumphati)

Guwahati)



District: Mamit

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

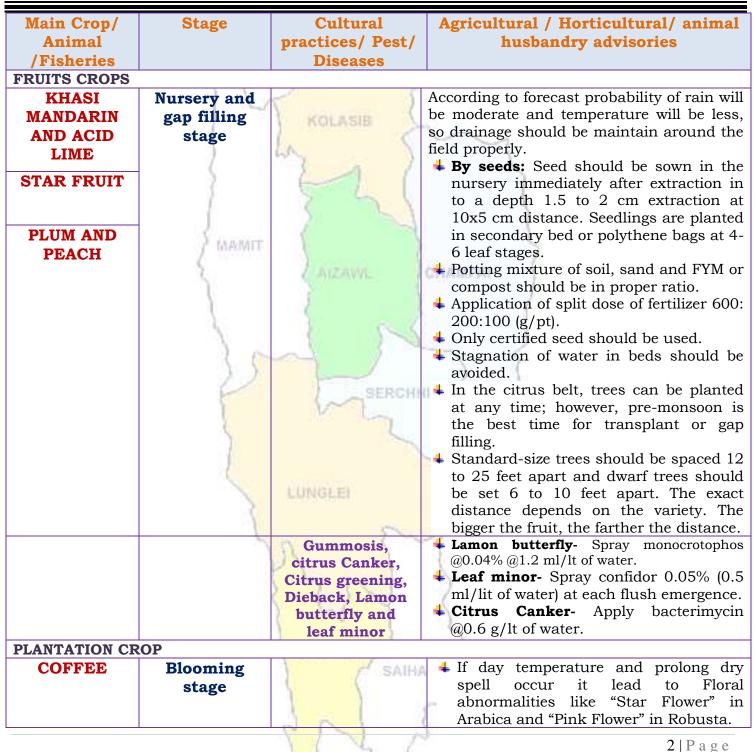
	6 1	6	2				
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Rainfall (mm)	13	3	10	4	7		
Max Temp (°C)	32	32	33	31	32		
Min Temp (°C)	22	22	22	23	23		
Cloud Coverage	Partially clear	r Partially clear	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	100	97	100	98	97		
Min RH (%)	56	48	47	50	56		
Wind Speed (KmpH)	4	2	2	4	6		
*Wind Direction	S-E	S-E	E	N-E	S-E		
Northe	rly- <mark>N</mark> , North	-Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
		30, 2018 (Percent					
Aizawl- 496.0 mm	· · · · · · · · · · · · · · · · · · ·		Saiha- 140.6 mm		- 334.8 mm		
(185.6 mm) Lawngtlai-157.2 mm		(119.4 mm)	(109.8 mr) Mamit-388.3 mm		(213.6 mm)		
(101.5 mm)		336.4 mm I 117.6 mm)	(236.2 mn		p-158.4 mm (214.2 mm)		
Weather summary of				1	· · · · · · · · · · · · · · · · · · ·		
three days	-	Weather forecast valid from 30 th May, 2018 To 03 rd June, 2018.					
Maximum Tem. (°C):2							
Minimum Tem. (°C):2		There are chances of moderate to light rainfall during the					
Maximum RH (%):95-		next 5 days. The maximum and minimum temperatures for					
Minimum RH (%):71-'		the next 5 days may range for 31-33°C and 22-23°C.					
Wind Direction: South		Maximum relative humidity is expected in the range of 97-					
Cloud cover: Partially	· · · · · · · · · · · · · · · · · · ·	100% and minimum may from 47-56%. Wind direction					
Wind speed: 2 km/hr		would be southeasterly to easterly to northeasterly and					
·····,,		southeasterly with the wind speed of 2-6 km per hour.					
Rainfall: 18.1 mm		Partially clear sky will prevail during the next five days.					
			y cumulative i	r ainfall: 37.0 1	mm		
NDVI for Mizoram		North East Region 25	Mildly dry	condition oc	curs in all		
		~~~ ==	districts of				
		STR.					
		COS A					
		At 1	1				
		.B.	а.,				
		Agrouthurs vignur is readentie over some of the	parts Is				
		R NI	340				
		1 / XL	12		1   Page		

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

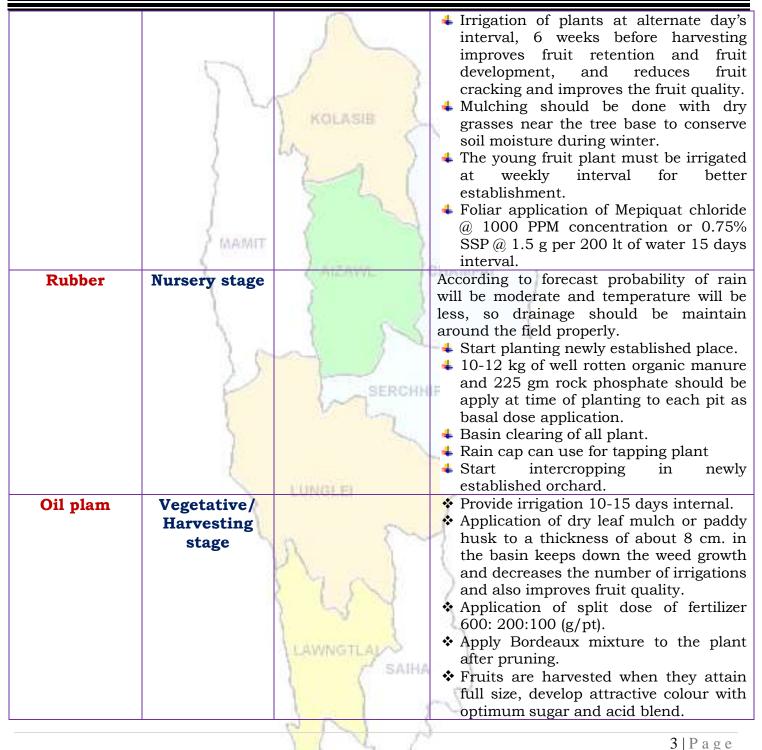






ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



- · - ·		-	י הי הי א א א א א א א א א א א א א א א א
	Nursery stage	KOLASIB	<ul> <li>Raising planting materials through seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>The seedlings are planted in field when they become 3-4 months old.</li> <li>Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.</li> </ul>
CEREALS AND P			
Maize (Jhum)	Vegetative stage	AIZAWL	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
Jhum Rice	Germination stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous fertilizer for better growth.</li> </ul>
<b>VEGETABLE CRO</b>			
Ginger and turmeric	Sowing stage	LAWNGTLAU	<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</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		4 According to forecast probability of
us crop	1	f i	rain will be moderate and temperature
	5	1	will be less, so drainage should be
		2 8	maintain around the field properly.
		KOLASIE	Provide split doses of urea (70g/pt) at
	1	I NULMOID 2	the time of full blooming
	)	La N	In large gardens apply carbaryl 0.2 per
	(	3 4 1	cent or malathion 0.15 per cent
	2		suspension containing sugar or
	1	2 5 1	jeggery at 10 g/l at fortnightly
		21	intervals at flowering and fruit
	AMAMIT		initiation against fruit fly and
01.:11:			pumpkin beetle.
Chilli	Vegetative to	ATZAWIL /	According to forecast probability of rain will be moderate and temperature
	flowering		will be less, so drainage should be
	stage	6 3	maintain around the field properly.
		1 6 6	<ul> <li>Earthing up soil for better growth and</li> </ul>
			stability in root zone.
	140 5		<ul> <li>Don't use split dose of any nitrogenous</li> </ul>
	12	STROUGH	fertilizer for better growth.
		SERCHH	4 If possible use straw mulch/ grass
	5		mulch in row to prevent moisture loss
	10		and better growth of plant.
	1 B	Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
	10	National Sector	or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
	3		initiation.
Cowpea	Vegetative	Sec.	According to forecast probability of rain
· ·	stage	A I	will be moderate and temperature will
	3	P Var and V	be less, so drainage should be maintain
		1 7 6	around the field properly.
		1 La Y	<b>4</b> Earthing up soil for better growth and
			stability in root zone.
		LI ALAMETT AL	Don't use split dose of any nitrogenous
	<b>TT</b> . / / ·	LAWNGTLAV	fertilizer for better growth.
Okra	Vegetative	( SAIHA	According to forecast probability of rain
	stage		will be moderate and temperature will
		1 2 1 1	be less, so drainage should be maintain around the field properly.
		R S A	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	IDARY		101 w 220, 010, 101 hg.
Pig	All stages	AIZAWA	<ul> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	5	Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>
		8 1 S A	
			6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

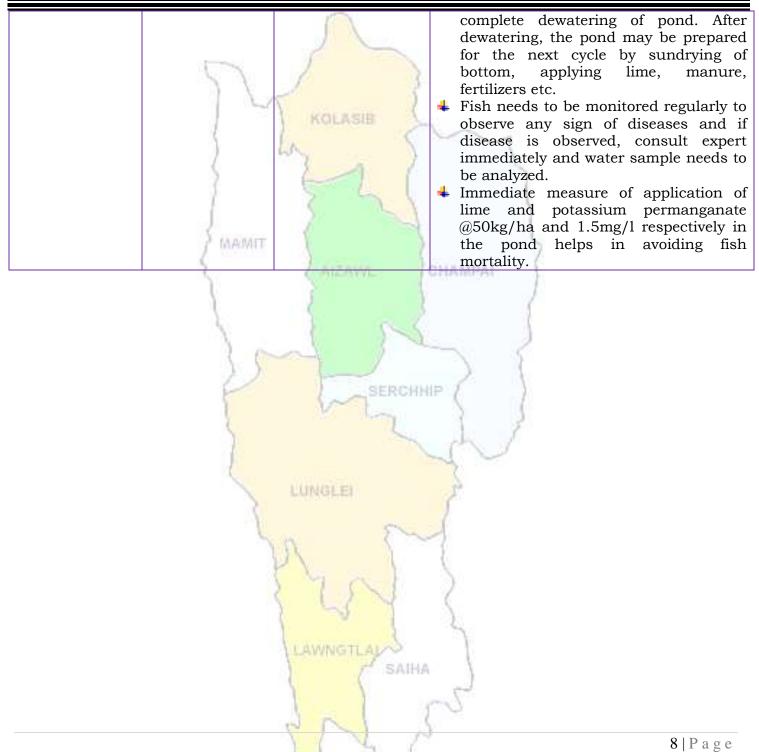


Poultry		KOLASIB	<ul> <li>followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> <li>Provide preventive dose of anti-coccidial</li> </ul>
Poultry	All age group	LUNGLEI	<ul> <li>drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY		0.00	
	Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
		VIV A	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:** Mamit

Bulletin No: - 794/2	018/ Bulletin/Mizo

Period: 30 May - 03 June, 2018

#### Date of issue: 29th May, 2018

		$\mathcal{F}$	4.4			
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	13	3	10	4	7	
Max Temp (°C)	32	32	33	31	32	
Min Temp (°C)	22	22	22	23	23	
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy	
Max RH (%)	100	97	100	98	97	
Min RH (%)	56	48	47	50	56	
Wind Speed (KmpH)	4	2	2	4	6	
*Wind Direction	S-E	S-E	E	N-E	S-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mo Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champha	-30, 2018 (Percent ai- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	of deviation from Saiha- 140.6 mm (109.8 m Mamit-388.3 mm (236.2 m	m Kolasib 1m) m Serchhi	nthesis) - 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)	
Weather summary of three days	s					
Maximum Tem. (°C):2 Minimum Tem. (°C):2 Maximum RH (%):95- Minimum RH (%):71-' Wind Direction: South Cloud cover: Partially Wind speed: 2 km/hr	1-23°C 100% 78% heasterly v clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 97-100% 1 niin. Thli hi dar awi zawngin a th hian khawthiang	Khua a lum lai 22-23ºC ni tu eh a hniam la kar khatah 2-6 eh rin a ni. A tl	berin 31-33°C ura beisei a ni i berin 47-56% 5 km vela chak angpuiin tun n	a ni ang a. A . RH san lai o ni tur a rin tin chhaklam	
Rainfall: 18.1 mm		Weekl	y cumulative	<mark>rainfall:</mark> 37.01	nm	
NDVI for Mizoram		North East Region 29.4a	Mildly dry districts of	condition oc Mizoram.	curs in all	
		602	P		1   P a g e	

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

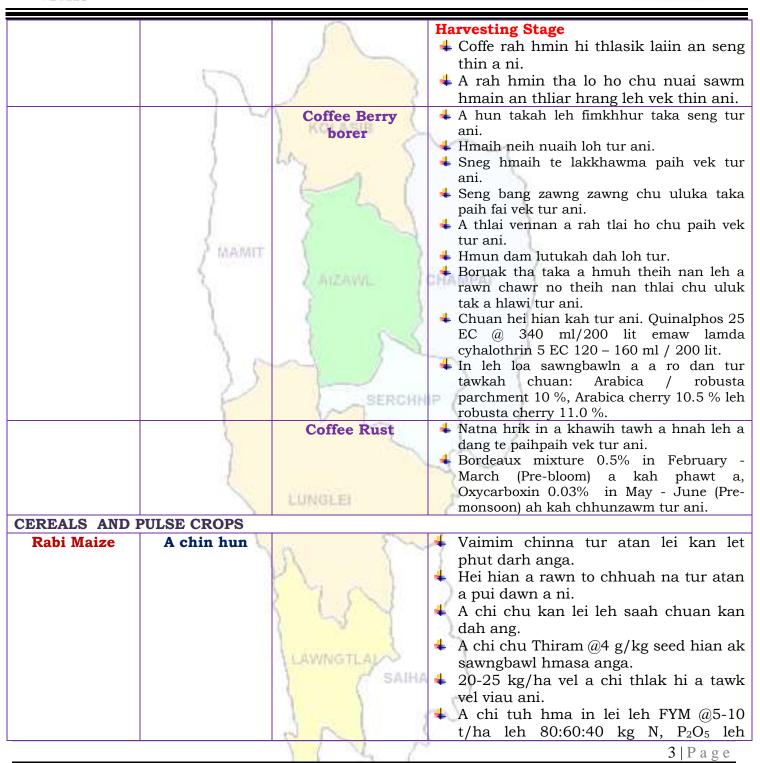


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		<u>.</u>	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monore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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



<ul> <li>Preventive measures</li> <li>O-3 rd week</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> <li>4th weeks</li> <li>Coccidiosis- Amprolium or coccidiostat</li> <li>Calcium tonic fortified with B₁₂</li> </ul> FISHERY Monitoring (Sangha enkawl) <ul> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani ni sa a phoro phawt tur ani.</li> <li>Sangha te hi chaw a hmuar lohna turin himun ro leh uap lutuk lo ah dahthat atangin sangha a him phah thin.</li> <li>Di la sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awisam a, dil mawng phoro, chinai phul, leitha hman leh tud dang in dil buatsaih tur ani. <ul> <li>Sangha te natan lak atangin an him em th enfiah fo a tha a, natan humuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> </ul></li></ul>			
measures       1-6 ah F1 vaccine pek tur ani a, chuan a puitingh chuan R ₂ B vaccine pek tur ani.         Homoson and the second sec			Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
<ul> <li>a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or 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 lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>			
4th weeks       4 Coccidiosis- Amprolium or coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B12         FISHERY       4 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 enkawl)       4 Sangha te hi chaw a hmuar kai lo chauh pek thin 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 hiam sangha natna avang a thi tur lak atangin a veng thei.	meas		a puitlingh chuan R ₂ B vaccine pek tur ani.
Image: Constant in the second seco		4 th weeks	
4-5th Weeks       Calcium tonic fortified with B12         FISHERY       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       Sangha tur ani.         Sangha chaw hi       Sangha tur ani.         Dia 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.	19		
<ul> <li>FISHERY</li> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>	9	4-5 th Weeks	
<ul> <li>Monitoring (Sangha enkawl)</li> <li>Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>	FISHERY	AIZAWL	
	(Sangha	LUNGLEI	<ul> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
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#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



#### **District: Saiha**

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

#### Date of issue: 29th May, 2018

		P	5				
Parameters 30.0	05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Rainfall (mm)	18	14	10	11	18		
Max Temp (°C)	30	30	30	29	29		
Min Temp (°C)	13	13	12	12	12		
Cloud Coverage Parts	ially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	100	97	100	99	96		
Min RH (%)	56	52	51	54	57		
Wind Speed (KmpH)	3	2	2	3	5		
*Wind Direction	S-E	S-E	S-E	N-E	S-E		
Northerly- N	, North-E	asterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		esterly- <mark>S-W</mark> , We					
Status of Pre Monsoon							
	-		Saiha- 140.6 mm		334.8 mm		
(185.6 mm)		19.4 mm)	(109.8 mn //amit-388.3 mm		(213.6 mm)		
Lawngtlai-157.2 mm 1 (101.5 mm)	Lunglei- 3	17.6 mm	(236.2 mm		p-158.4 mm (214.2 mm)		
Weather summary of the				n 30 th May, 201			
	e pasi	weather lore			10 10 03		
three days Maximum Tem. (°C):27-28°		<u></u>	June, 2		11 . 1		
Minimum Tem. (°C):27-280 Minimum Tem. (°C):15-160		There are chanc		0	U		
Maximum RH (%):97-100%		next 5 days. The			-		
Minimum RH (%):62-79%		he next 5 day	5 0				
Wind Direction: Southeast		Maximum relativ					
Cloud cover: Partially clean	,	100% and minimum may from 51-57%. Wind direction					
Wind speed: 2 km/hr	W	would be southeasterly to northeasterly and southeasterly					
ninu opocu. 2 mil, m	V	vith the wind sp	eed of 2-5 km	per hour. Parti	ally clear sky		
Rainfall: 09.2 mm	<b>v</b>	vill prevail durin	g the next five	days.			
		Weekly	y cumulative r	ainfall: 71.0 1	nm		
NDVI for Mizoram		North East Region 29	Mildly dry	condition oc	curs in all		
		~~ =-	districts of 1				
		5 A A					
		Con de					
		200	i				
		AB E	а,				
	10	prophere vigeur is reacherate over some of the p	parts to				
	27	prophers vigned in moderate over some of the p gran	parts 1				



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

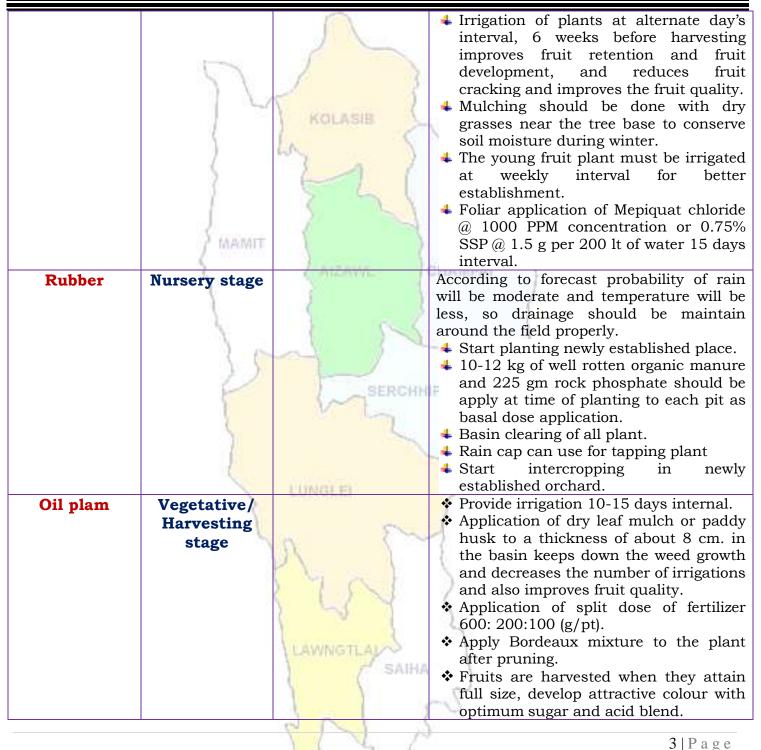


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS			J			
KHASI	Nursery and	20	According to forecast probability of rain will			
MANDARIN	gap filling	Course in	be moderate and temperature will be less,			
AND ACID	stage	KOLASIB	so drainage should be maintain around the			
LIME	Stage	Sec. S	field properly.			
	(		<b>By seeds:</b> Seed should be sown in the			
STAR FRUIT	2		nursery immediately after extraction in			
	1	2 5	to a depth 1.5 to 2 cm extraction at			
	1	24	10x5 cm distance. Seedlings are planted			
PLUM AND	R. marine		in secondary bed or polythene bags at 4-			
PEACH	/ MAMIT		6 leaf stages.			
	S	LAIZAWAL I	+ Potting mixture of soil, sand and FYM or			
		A manufactures	compost should be in proper ratio.			
		)	<b>4</b> Application of split dose of fertilizer 600:			
	100	S 6. 1	200:100 (g/pt).			
			Only certified seed should be used.			
	2 6		<b>4</b> Stagnation of water in beds should be			
	1)		avoided.			
	5	SERCH	<b>∥↓</b> In the citrus belt, trees can be planted			
	1	V~L_	at any time; however, pre-monsoon is			
	5		the best time for transplant or gap			
			filling.			
			Standard-size trees should be spaced 12			
	100	WHEN ISSUED	to 25 feet apart and dwarf trees should			
		LUNGLEI	be set 6 to 10 feet apart. The exact			
	1		distance depends on the variety. The			
			bigger the fruit, the farther the distance.			
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.			
		citrus Canker,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5			
		Citrus greening,	ml/lit of water) at each flush emergence.			
		Dieback, Lamon	<b>Citrus Canker-</b> Apply bacterimycin			
		butterfly and leaf minor	@0.6 g/lt of water.			
DI ANTATION OD	PLANTATION CROP					
			If day temperature and prolong dry			
COFFEE	Blooming	SAIH/	↓ If day temperature and prolong dry spell occur it lead to Floral			
	stage		spell occur it lead to Floral abnormalities like "Star Flower" in			
		1 15	Arabica and "Pink Flower" in Robusta.			
Alabica aliu Filik Flowel III Kobusta.						
2   P a g e						



ICAR RESEARCH COMPLEX FOR NEH REGION







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be collected and extract the seeds should be town after 15-20 days in raised nursery beds.         When two to three leaves develop, seeding should be transplanted in polythene bags.         The seedlings are planted in field when they become 3-4 months old.         Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g NPK per pit.         EEREALS AND PULSE CROPS         Maize (Jfhum)         Vegetative stage         Jhum Rice         Germination stage         Jhum Rice         Germination stage         Vegetative will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Earthing up soil for better growth and stability in root zone.         Use split dose of any nitrogenous fertilizer for better growth.         4       According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         EEGETABLE CROP       Earthing up soil for better growth.         Ginger and turmeric       Sowing stage         Was optimely decomposed FYM / pig manure @ 10-20 t/ha along with 100.50-00 kg/ha) for desire plant population.         Apply well decomposed FYM / pig manure @ 10-20 t/ha along with 100.50-00 kg/ha) for desire plant population.	<b>Passion Fruit</b>	Ninma omra atogo		
Maize (Jhum)       Vegetative stage       + According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Jhum Rice       Germination stage       + According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         Jhum Rice       Germination stage       + According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         EGETABLE CROP       - Earthing up soil for better growth.         Ginger and turmeric       Sowing stage       - Rhizome should be treated with Thiram @4 g/kg seed.         West 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 kg Ne Do and K O(tha 120/80/60 kg N kg Ne Do and K		$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>seeds, ripe fruits from vines yielding quality fruits should be collected and extract the seeds should be sown after 15-20 days in raised nursery beds.</li> <li>When two to three leaves develop, seedling should be transplanted in polythene bags.</li> <li>The seedlings are planted in field when they become 3-4 months old.</li> <li>Apply well decompose FYM @ 15kg/pit/year along with 100.50.100 g</li> </ul>
(Jhum)stage(Jhum)stagewill be moderate and temperature will be less, so drainage should be maintain around the field properly.Jhum RiceGermination stageJhum RiceGermination stageGinger and turmericSowing stageGinger and turmeri	<b>CEREALS AND</b>	PULSE CROPS		
Jhum Rice       Germination stage       + According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.         * Earthing up soil for better growth and stability in root zone.       * Use split dose of any nitrogenous fertilizer for better growth.         //EGETABLE CROP       * Rhizome should be treated with Thiram @4 g/kg seed.         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 12020:60 kg Mr, B.O., and K.O/ha		-	AIZAWL	<ul> <li>will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous</li> </ul>
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 = RO and K O/ha		stage	LUNGLEI	<ul> <li>According to forecast probability of rain will be moderate and temperature will be less, so drainage should be maintain around the field properly.</li> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Use split dose of any nitrogenous</li> </ul>
turmeric       @4 g/kg seed.         @4 g/kg seed.       Use optimum seed rate (50-60 kg/ha) for desire plant population.         # Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N = P.O. and K O/ha		-		
incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one		Sowing stage	LAWNGTLA	<ul> <li>@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</li> </ul>
			F Z A	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		D	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		<ul> <li>According to forecast probability of</li> </ul>
us crop	88-		rain will be moderate and temperature
	5	$\lambda$	will be less, so drainage should be
	1 6	1 3	maintain around the field properly.
		V company of the	✤ Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	1	En S	4 In large gardens apply carbaryl 0.2 per
	1	~ ~ )	cent or malathion 0.15 per cent
	2		suspension containing sugar or
	2	5 6	jeggery at 10 g/1 at fortnightly
	í í	5 54	intervals at flowering and fruit
	Remain		initiation against fruit fly and
	/ MAMIT	1	pumpkin beetle.
Chilli	Vegetative to	LARZAWL I	+ According to forecast probability of
	flowering		rain will be moderate and temperature
	stage	1 1	will be less, so drainage should be
	200	3 and	maintain around the field properly.
	1 1		Earthing up soil for better growth and
			<ul> <li>stability in root zone.</li> <li>Don't use split dose of any nitrogenous</li> </ul>
	11		fertilizer for better growth.
		SERCHN	4 If possible use straw mulch/ grass
	1	V La	mulch in row to prevent moisture loss
	5		and better growth of plant.
	1	Fruit fly	4 In large gardens apply carbaryl 0.2 per cent
	d'		or malathion 0.15 per cent suspension
		LUNGLEI	containing sugar or jeggery at 10 g/l at
	3	and all the states of the	fortnightly intervals at flowering and fruit initiation.
Cowpea	Vegetative	SS-	According to forecast probability of rain
Cowpea	stage	N (~~	will be moderate and temperature will
	stage		be less, so drainage should be maintain
		1 7 251	around the field properly.
			4 Earthing up soil for better growth and
		1 20 1	stability in root zone.
		And the second sec	<b>4</b> Don't use split dose of any nitrogenous
		LAWNGTLAU	fertilizer for better growth.
Okra	Vegetative	/ SAIHA	According to forecast probability of rain
	stage	1 1	will be moderate and temperature will
		1 5 1	be less, so drainage should be maintain
		N N N	around the field properly.
		1 C L C	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL SERCHH	<ul> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWINGTLAL	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>
		P N N	<u>v</u>
			<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

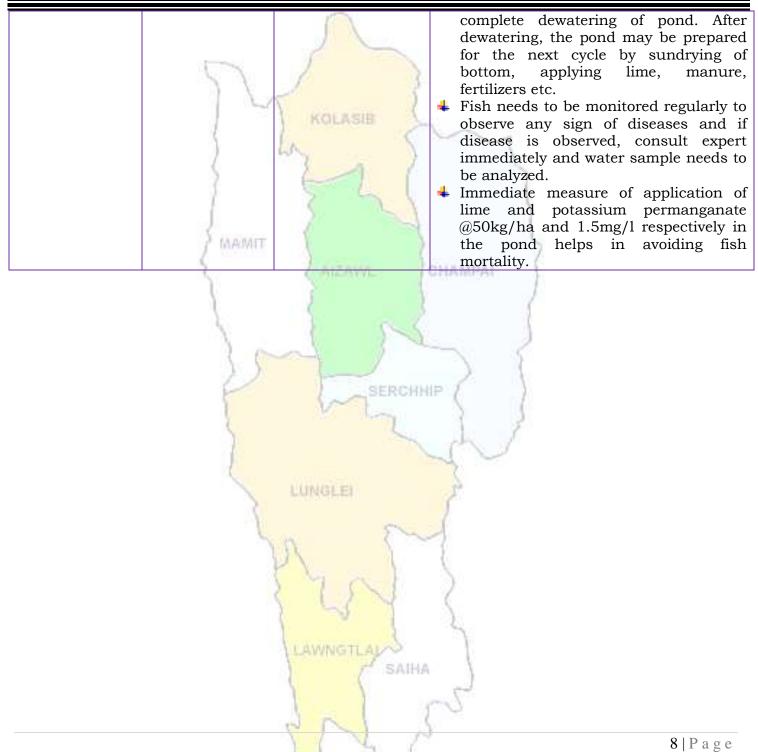


10.11K		
Poultry	All age group	followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with littl potash (KMnO4) or neem leaves. Long hair near th udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidia
louitry	MADMIT	<ul> <li>drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/10 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthind drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-1 days: Intermediate plus/IBI vaccine, 35 days: F/Lasota, 6-weeks: Chicken embryo adopte fowl pox vaccine and 56-70 days</li> </ul>
FISHERY	290	0
	Monitoring of fish in pond	<ul> <li>Care should be taken that fish are fewith feed that are free from fungus. the fungal growth is observed in fis feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool an dry place to av</li> <li>oid fungal growth that release aflatoxin which could lead to mortalit of fish.</li> <li>Fish harvesting may be carried out be</li> </ul>
	LAWNG	<ul> <li>few days prior to feeding.</li> <li>Fish feed should be stored in c dry place to av</li> <li>oid fungal growth that a aflatoxin which could lead to m of fish.</li> </ul>



**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: Saiha**

Bulletin No: - 794/2018/ Bulletin/Mizo	<b>Bulletin</b> N	No: -	794/2018/	Bulletin/Mizo
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Period: 30 May - 03 June, 2018

Date of issue: 29th May, 2018

Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018		
Rainfall (mm)	18	14	10	11	18		
Max Temp (°C)	30	30	30	29	29		
Min Temp (°C)	13	13	12	12	12		
Cloud Coverage	Partially clear	Partially clear	Mainly cloudy	Partially clear	Mainly cloudy		
Max RH (%)	100	97	100	99	96		
Min RH (%)	56	52	51	54	57		
Wind Speed (KmpH)	3	2	2	3	5		
*Wind Direction	S-E	S-E	S-E	N-E	S-E		
Northe	rly- N, North	Easterly- N-E, E	asterly- <mark>E</mark> , Sout	h-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , V					
		-30, 2018 (Percen					
Aizawl- 496.0 mm	Champh	ai- 273.3 mm	Saiha- 140.6 m		b- 334.8 mm		
(185.6 mm)		(119.4 mm)	(109.8		(213.6 mm)		
Lawngtlai-157.2 mm	Lungle	- 336.4 mm	Mamit-388.3 n		ip-158.4 mm		
(101.5 mm)	C (1 )	(117.6 mm)	(236.2 1		(214.2 mm)		
Weather summary		<b>30^{ch} May –</b>	03 rd June, 20		sik leh sa		
three day	S	dinhmun tur tlangpui					
Maximum Tem. (°C):2	27-28ºC	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1	5-16°C	tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A					
Maximum RH (%):97-	100%	vawh lai ber in 12-13°C ni tura beisei a ni. RH san lai					
Minimum RH (%):62-	<b>79</b> %	berin of 96-100% leh a hniam lai berin 51-57% ni tur a rin					
Wind Direction: Sout	heasterly	niin. Thli hi darkar khatah 2-5 km vela chakin chhaklam					
<b>Cloud cover: Partially</b>	7 clear						
Wind speed: 2 km/hr	•	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 09.2 mm							
		Weel	kly cumulative	rainfall: 71.0	mm		
		Biosth Fred Backet					
NDVI for Mizoram		North East Negion 2	Mildly dr	y condition o	ccurs in all		
		AT2 =	districts of	f Mizoram.			
		SUGA					
			···				
		COT .					
		<b>D</b>	· · · ·				
		Agriculture signur is moderate over some of the region.	e parts North				
		P	2				
			6		1   P a g e		



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

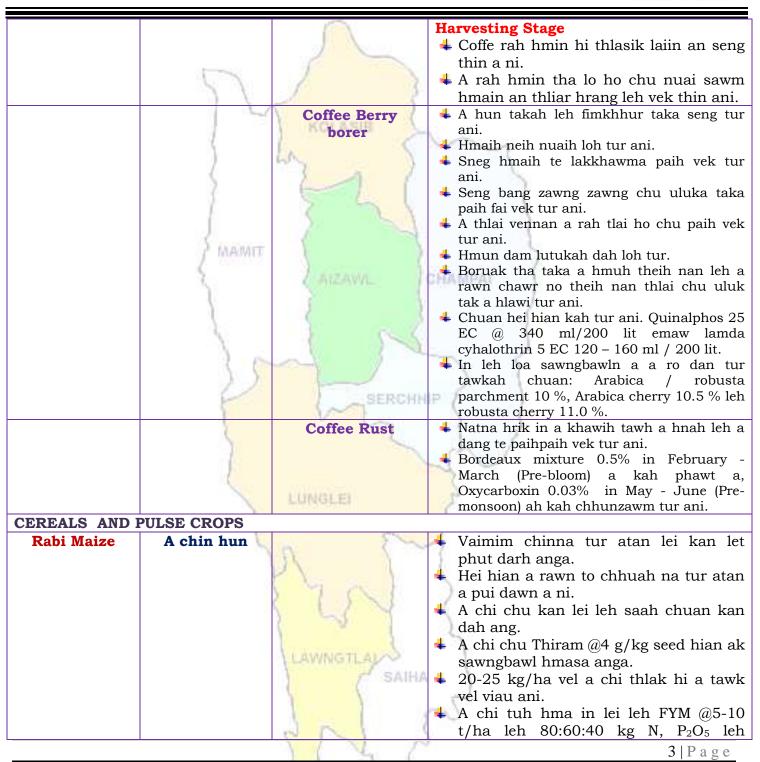


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	6	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 manufalle 2	velah dahkhawm tur ani.
LIME	)	La l	4 Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2	theihna turin a hmunhma a hnim awm
		21	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		♣ A seng hma kar 6 chhung chu tui tha
	1 meaning	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	2 ATZAWAL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	l		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	1	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	M Lang	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	111110111111	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	5	n 7~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		The set 1	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAN	Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		( ( 5411)4	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
		1811	bag ah an sawn chhuak leh thin ani.
		8 N A	210
			2   P a g e



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



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



		A	awm thin a , hei hi natna tlanglawn ber ani.
			↓ Thlai hna lam chi leh zikhlum lam
	5	1	chi reng reng enkawl nan Mancozeb
		1 3	(a) 2gm ah tui leter 1 pawlha kah
		Key a sup	tur ani.
Onion and	Nursery stage	Poly house	<b>4</b> A than a that theih nan nikhat danah
capsicum	indition j bruge	LA	tui pek thin tur ani.
	(	1 1	Thlai bul vawn hnawn nana thlai bula
	1		hnim ring vawm khawm hi tui pek
	E.	5 21	zawhah dah tur ani.
			🕂 Thlai chhina hmun (nursery) hi hnim a
	MAMIT		to loh nan Pendimethalin @ 3.5ml hi
	S manual s	) and and a	tui liter 1 zelah pawlh a kah hi a tha
		Dhart a with a wa	hle ani. A chi ven that nan thiram 3g/kg seed
	1	Phytopthora	emaw Trichoderma viride 4g+ metalaxyl 4g
	- Sc.	blight	(Apron)/ kg seed hi a tha hle ani
	1		4 Hneh taka 1% Bordeaux chawhpawlh
	2.0		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	<ul> <li>Tui pek a hnihnah hringa khuh tur ani</li> </ul>
French bean	Sowing stage	Nº Lan	a. than a that theih nan tui pek hma
	S		in lei rin pan hmasak tur ani.
			4 A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		+ A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani.
		11 1 ~	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
		PN I	$\stackrel{\text{figure}}{=}$ Zikhlum lam chi ah chuan sik leh
		122 6 6	sa vangin a hnah ah thil dum a
		1 Ll Y	rawn awm thina, hei hi natna
		1 4 1	tlanglawn ber ani.
		LAWNGTLAN	<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
		- SAIHA	chi reng reng enkawl nan
		( ( SAINA	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
		201	
			<b>5</b>   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 mahning in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 all emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		N N N	



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



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga n
	measures	S.	1-6 ah F1 vaccine pek tur ani a, chuai
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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
	F MRMIT		coccidiostat
	1	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 le chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lah atangin a veng thei.</li> </ul>
		8 N N	710.000
		4	7   P a g e

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

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



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



1 | P a g e

### **District:** Serchhip

Bulletin No: - 794/2018/ Bulletin/English

Period: 30 May - 03 June, 2018

#### Date of issue: 29th May, 2018

Bulletin No: - 794/2	018/ Bulletin	n/English	Date of is	sue: 29 th May,	2018	
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	17	15	19	17	10	
Max Temp (°C)	22	22	23	21	22	
Min Temp (°C)	13	13	13	12	12	
Cloud Coverage	Partially clear	Mainly cloudy	Partially clear	Partially clear	Mainly cloudy	
Max RH (%)	100	100	100	100	96	
Min RH (%)	54	51	52	40	66	
Wind Speed (KmpH)	3	2	2	4	4	
*Wind Direction	S	S-E	S-E	Е	S	
Northe	rly- <mark>N</mark> , North-E	Casterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		/esterly- <mark>S-W</mark> , We				
Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champhai- (1 Lunglei- 3 (1	19.4 mm) 36.4 mm N 17.6 mm)	Saiha- 140.6 mm (109.8 mm Jamit-388.3 mm (236.2 mm	Kolasib n) Serchhij 1)	- 334.8 mm (213.6 mm) p-158.4 mm (214.2 mm)	
Weather summary of three day		Weather forecast valid from 30 th May, 2018 To 03 rd June, 2018.				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):96- Minimum RH (%):65- Wind Direction: Sout Cloud cover: Partially Wind speed: 2 km/hr Rainfall: 16.1 mm	6-18°C (7 98% 1 75% 1 heasterly 1 y clear v	There are chances of moderate rainfall during the next days. The maximum and minimum temperatures for next 5 days may range for 21-23°C and 12-13. Maximum relative humidity is expected in the range of 100% and minimum may from 40-66%. Wind direct would be southerly to southeasterly to easterly southerly with the wind speed of 2-4 km per hour. Particlear sky will prevail during the next five days. <i>Weekly cumulative rainfall:</i> 78.0 mm			tures for the nd 12-13°C. range of 96- ind direction easterly and our. Partially	
NDVI for Mizoram		North East Region 29 Jac	Mildly dry districts of	condition oc Mizoram.	curs in all	



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



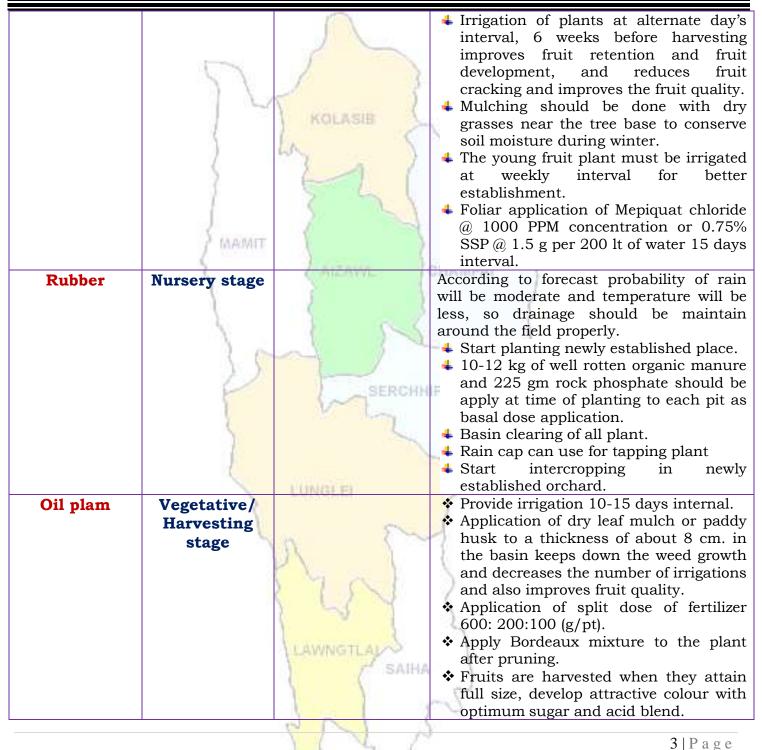
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Nursery and	8 8	According to forecast probability of rain will			
MANDARIN	gap filling	KOLASIB	be moderate and temperature will be less,			
AND ACID	stage	NULASID >	so drainage should be maintain around the			
LIME	Stage	an N	field properly.			
	6	1 . 1	<b>By seeds:</b> Seed should be sown in the			
STAR FRUIT	2		nursery immediately after extraction in			
	1	2 5	to a depth 1.5 to 2 cm extraction at			
	1	2 24	10x5 cm distance. Seedlings are planted			
PLUM AND	S anno		in secondary bed or polythene bags at 4-			
PEACH	J' MAMIT		6 leaf stages.			
	S	LAIZAWAL I	+ Potting mixture of soil, sand and FYM or			
		and the second s	compost should be in proper ratio.			
		1	<b>4</b> Application of split dose of fertilizer 600:			
	1	1 10 11	200:100 (g/pt).			
	1		↓ Only certified seed should be used.			
	2 6		<b>4</b> Stagnation of water in beds should be			
	)		avoided.			
		SERCH	4 In the citrus belt, trees can be planted			
		V	at any time; however, pre-monsoon is			
	5		the best time for transplant or gap			
			filling.			
			Standard-size trees should be spaced 12			
	al and a second	March Second	to 25 feet apart and dwarf trees should			
		LUNGLEI	be set 6 to 10 feet apart. The exact			
	5		distance depends on the variety. The			
		5	bigger the fruit, the farther the distance.			
		Gummosis,	<b>Lamon butterfly-</b> Spray monocrotophos			
		citrus Canker,	@0.04% @1.2 ml/lt of water.			
		Citrus greening,	<b>Leaf minor</b> - Spray confidor 0.05% (0.5			
		Dieback, Lamon	ml/lit of water) at each flush emergence.			
		butterfly and	<b>Citrus Canker-</b> Apply bacterimycin			
	~~	leaf minor	@0.6 g/lt of water.			
PLANTATION CR	-					
COFFEE	Blooming	SAIH/	If day temperature and prolong dry			
	stage		spell occur it lead to Floral			
			abnormalities like "Star Flower" in			
		0	Arabica and "Pink Flower" in Robusta.			
2   P a g e						

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CEREALS AND PULSE CROPS     15kg/pit/year along with 100.5 NPK per pit.       Maize (Jhum)     Vegetative stage       * According to forecast probability will be moderate and temperate be less, so drainage should be maround the field properly.	yielding ted and vn after ds. develop, nted in d when YM @ 0.100 g
Maize (Jhum)Vegetative stageAccording to forecast probability will be moderate and temperat be less, so drainage should be m around the field properly.	
(Jhum) stage will be moderate and temperate be less, so drainage should be maround the field properly.	· ·
<ul> <li>Earthing up soil for better grow stability in root zone.</li> <li>Use split dose of any nitro fertilizer for better growth.</li> </ul>	ure will naintain wth and
Jhum Rice       Germination stage       According to forecast probability will be moderate and temperat be less, so drainage should be m around the field properly.         Earthing up soil for better grow stability in root zone.       Earthing up soil for better grow stability in root zone.         Use split dose of any nitro fertilizer for better growth.	ure will naintain wth and
VEGETABLE CROP	
Ginger and turmericSowing stage+ Rhizome should be treated with @4 g/kg seed.Use optimum seed rate (50-60 kg for desire plant population Use optimum seed rate (50-60 kg for desire plant population.Apply well decomposed FYM manure @ 10-20 t/ha alon 120:80:60 kg N, P2O5 and incorporate with soil before Half nitrogen dose will use at t of sowing and remaining 25% a	g/ha) A/ pig g with K ₂ O/ha sowing. he time
411	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		12	month and 25% at flowering stage.
Cucurbitaceo	Fruiting stage		<ul> <li>According to forecast probability of</li> </ul>
us crop			rain will be moderate and temperature
uscrop			will be less, so drainage should be
	2.1	2 2	maintain around the field properly.
		S	Provide split doses of urea (70g/pt) at
		KOLASIB	the time of full blooming
	(	(a	4 In large gardens apply carbaryl 0.2 per
	/	60 J	cent or malathion 0.15 per cent
	S		suspension containing sugar or
	5	SL	jeggery at 10 g/l at fortnightly
		5 61	intervals at flowering and fruit
	2		initiation against fruit fly and
	/ MAMIT		pumpkin beetle.
Chilli	Vegetative to	AIZAWAL 1	4 According to forecast probability of
	flowering	Concernant 1	rain will be moderate and temperature
	stage	5	will be less, so drainage should be
	l i i i i i i i i i i i i i i i i i i i	State of the	maintain around the field properly.
	St		<b>4</b> Earthing up soil for better growth and
	2 6	~ 1 ~	stability in root zone.
	(1)		Don't use split dose of any nitrogenous
		SERCHN	fertilizer for better growth.
	A A A A A A A A A A A A A A A A A A A	V	4 If possible use straw mulch/ grass
	5		mulch in row to prevent moisture loss
		Dura it. Clar	and better growth of plant. In large gardens apply carbaryl 0.2 per cent
		Fruit fly	or malathion 0.15 per cent suspension
	1400	WHEN DO THE OWNER	containing sugar or jeggery at 10 g/l at
		LUNGLEI	fortnightly intervals at flowering and fruit
	1		initiation.
Cowpea	Vegetative 🧶	m 82	According to forecast probability of rain
	stage	A D	will be moderate and temperature will
		P Var and V	be less, so drainage should be maintain
		17.51	around the field properly.
		1 La Y	<b>4</b> Earthing up soil for better growth and
		A A A	stability in root zone.
		LAWNGTLAN	Don't use split dose of any nitrogenous fortilized for better amounth
01	TT	E PALLA	fertilizer for better growth.
Okra	Vegetative	( SAINA	According to forecast probability of rain will be mederate and temperature will
	stage		will be moderate and temperature will
		1 2 1	be less, so drainage should be maintain
L			around the field properly.
		I L L	5   P a g e



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



Colocasia	Sowing stage	KOLASIB	<ul> <li>Earthing up soil for better growth and stability in root zone.</li> <li>Don't use split dose of any nitrogenous fertilizer for better growth.</li> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN	IDARY		
Pig	All stages	AIZAWL	<ul> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	5	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWINGTLA	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection</li> </ul>
		C N N	6 D o o o
		4 6	6   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

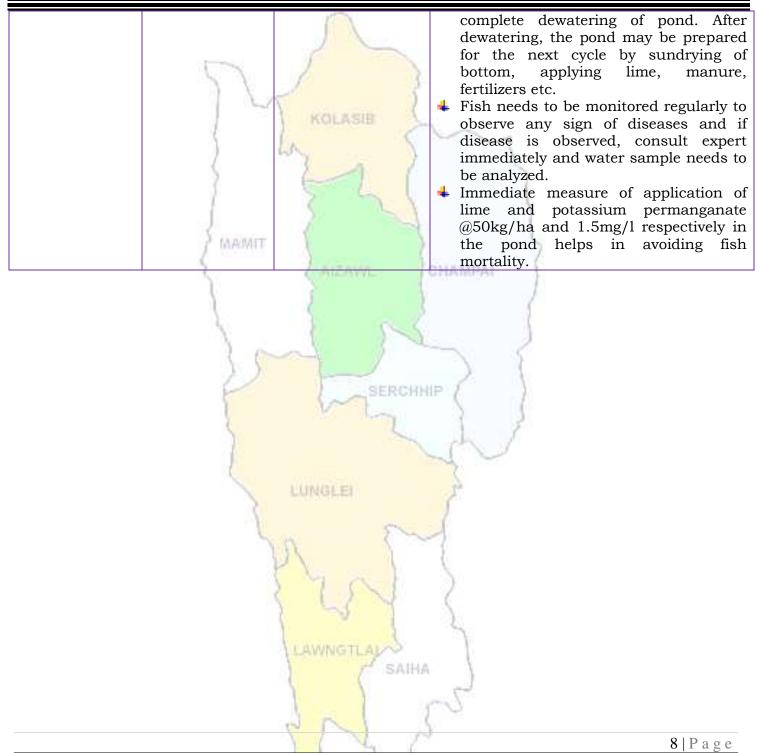


Doultry		KOLASIB	<ul> <li>followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> <li>Provide preventive dose of anti-coccidial</li> </ul>
Poultry	All age group	LUNGLEI	<ul> <li>drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> </ul>
FISHERY		0.00	
	Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to av</li> <li>oid fungal growth that releases aflatoxin which could lead to mortality of fish.</li> <li>Fish harvesting may be carried out by</li> </ul>
		PN A	Fish harvesting may be carried out by 7   P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







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



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Serchhip

Period: 30 May - 03 June, 2018

#### Date of issue: 29th May, 2018

			1 · · · · · · · · · · · · · · · · · · ·			
Parameters	30.05.2018	31.05.2018	01.06.2018	02.06.2018	03.06.2018	
Rainfall (mm)	17	15	19	17	10	
Max Temp (°C)	22	22	23	21	22	
Min Temp (°C)	13	13	13	12	12	
Cloud Coverage	Partially clear	· Mainly cloudy	Partially clear	Partially clear	Mainly cloudy	
Max RH (%)	100	100	100	100	96	
Min RH (%)	54	51	52	40	66	
Wind Speed (KmpH)	3	2	2	4	4	
*Wind Direction	S	S-E	S-E	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 Mo Aizawl- 496.0 mm (185.6 mm) Lawngtlai-157.2 mm (101.5 mm)	Champha	-30, 2018 (Percent ai- 273.3 mm (119.4 mm) - 336.4 mm (117.6 mm)	of deviation from Saiha- 140.6 m (109.8 m Mamit-388.3 m (236.2 m	m Kolasi nm) m Serchł	renthesis) ib- 334.8 mm (213.6 mm) nip-158.4 mm (214.2 mm)	
Weather summary of three day	-	30 th May – 03 rd June, 2018 chhunga sik leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):96- Minimum RH (%):65- Wind Direction: Sout Cloud cover: Partially Wind speed: 2 km/hr Rainfall: 16.1 mm	6-18°C 98% 75% heasterly 7 clear	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 96-100% l niin. Thli hi dar awi zawngin a the hian khawthiang	ng lo awm tur Khua a lum lai 12-13ºC ni tu eh a hniam la kar khatah 2-4 eh rin a ni. A tl	ah hian ruah berin 21-23% ura beisei a r i berin 40-66 4 km vela cha angpuiin tun sei a ni.	C a ni ang a. A ni. RH san lai % ni tur a rin akin chhaklam ni nga chhung	
NDVI for Mizoram		North East Region 21 for	Moderately conditions	wet mildly d	lry/mildly wet	
		612	P		1   Page	



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

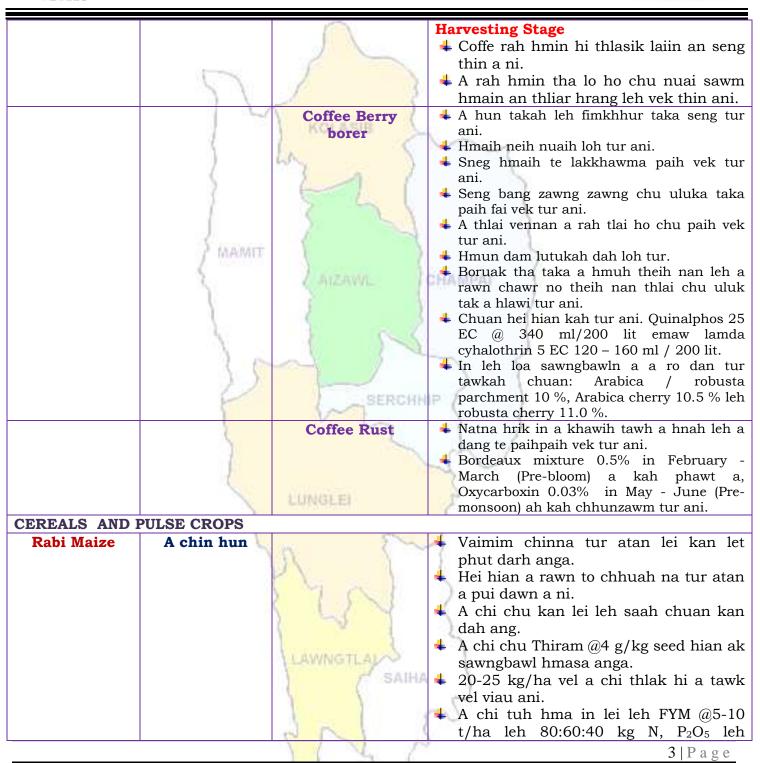


Animal (Fisheries       practices/ Pest/ Diseases       husbandry advisories         FRUITS CROPS       A kui atanga a seng hun       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dakhawm tur ani.         BANANA       A kui atanga a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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



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		$\cap$	awm thin a , hei hi natna tlanglawn ber ani.
			<ul> <li>Thlai hna lam chi leh zikhlum lam</li> </ul>
	2.1	1 2	chi reng reng enkawl nan Mancozeb
	1	N	@ 2gm ah tui leter 1 pawlha kah
<u> </u>	NT (	KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah tui pek thin tur ani.
capsicum	1	~~~ <i>1</i>	<ul> <li>Thlai bul vawn hnawn nana thlai bula</li> </ul>
	2		hnim ring vawm khawm hi tui pek
	1	2 5 1	zawhah dah tur ani.
		2	Thlai chhina hmun (nursery) hi hnim a
	> MAMMET		to loh nan Pendimethalin @ 3.5ml hi
	1	1	tui liter 1 zelah pawlh a kah hi a tha
	30	ATZAWAL I	hle ani.
	1	Phytopthora	A chi ven that nan thiram 3g/kg seed
	1	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	1	1 1	Hneh taka 1% Bordeaux chawhpawlh
	) 6	~ \ \ ~	emaw 2 g captan emaw 3 copper
	12		oxychloride a tui liter 1 hi 10-15 DAS a
	1	SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	M	<b>4</b> Tui pek a hnihnah hringa khuh tur ani
	5		a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.
			A than duna theih nan leh hnim to loh
	1		na turin a kung bulah lei vur chhoh zel
	1	LINGLER PL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	8	1000	tui pek thin tur ani.
	5	n (~~	👎 Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		M Rel	+ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		20 1	rawn awm thina, hei hi natna
		Low marine and	tlanglawn ber ani.
		LAWNGTLAN	4 Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
		1 1	Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
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	December		<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Panilhat Diagaga an pian atanga ni</li> </ul>
	Preventive measures	0-3 rd week	<ul> <li>Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	L	4 th weeks	<ul> <li>Coccidiosis- Amprolium or coccidiostat</li> </ul>
	/ MACINIT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	ANZAWAL I	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>tur ani a, initiar atang a tur io inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.</li> </ul>
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