

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Aizawl

Period: 07 March – 11 March, 2018

Bulletin	No: -	776	/2018/	Bull	letin/	English
			1	1	10	0

Date of issue: 06th March, 2018

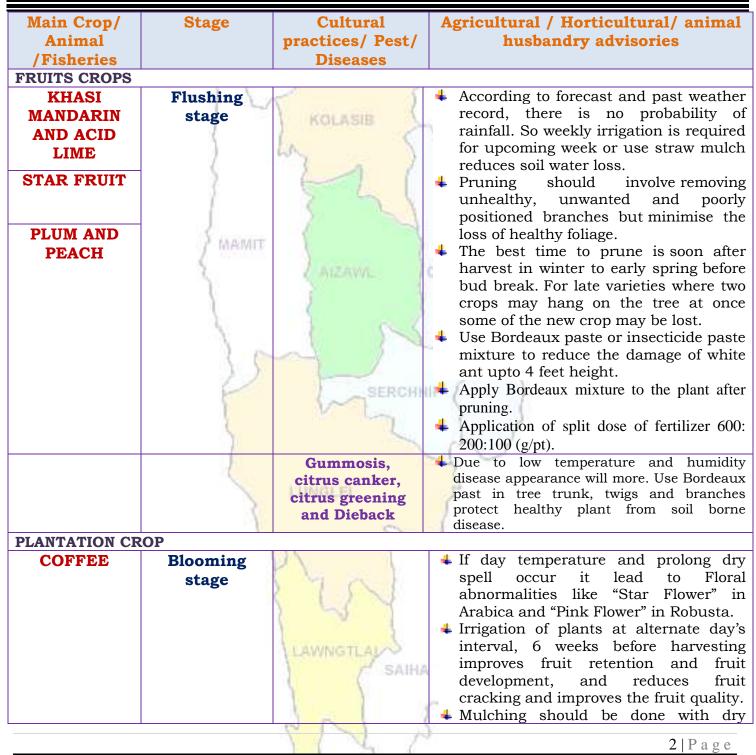
Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	30	30	30	31	31		
Min Temp (°C)	13	13	13	14	14		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	97	77	65	71	95		
Min RH (%)	29	24	25	25	18		
Wind Speed (KmpH)	4	5	5	4	5		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-l	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Post Mon	soon- February	1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)		
Aizawl- 5.40mm	Champh	<mark>ai-</mark> 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm		
(20.78mm)		(13.99mm)	(18.29n		(33.14mm)		
Lawngtlai-4.00mm		<mark>i-4.30mm</mark>	Mamit-8.10m		ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n	f	(14.39mm)		
Weather summary of	· · · · · · · · · · · · · · · · · · ·	Weather for		m 07 th March,	2018 То		
three day		11 th March, 2018.					
Maximum Tem. (°C):2		There are no chances of rainfall during the next 5 days.					
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5					
Maximum RH (%):79-		days may range for 30-31°C and 13-14°C. Maximum					
Minimum RH (%):43-	5 6%	relative humidity					
Wind Direction: Sout	heasterly	minimum may	/ 1	0			
Cloud cover: Clear sk	y	J					
Wind speed: 1-2 km/		southeasterly with the wind speed of 4-5 km per hour Clear sky will prevail during the next five days.					
		cical sky will pro	evan during th	e next nve days	•		
Rainfall: 00.0 mm		Wookl	u oumulativo i	rainfall: 00.0 1	~~		
		WEERL	y cumululle i	<i>ungun</i> . 00.01	11111		
NDVI for Mizoram		North East Region 24 fas	NT:1-11 -1				
NDVI for Mizoram		~ -	Milaly ally	condition oc	curs in all		
			districts of	Mizoram.			
		Frank B					
		20					
		AA TE					
		Agriculture signur is moderate over some of the per-	s North				
		001	5000				
		Y / Y	12		1 Page		

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	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND F Maize (Jhum)	Land preparation	LAWNGTLAL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		PN A	3 P a g e



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,		PR	
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Greengram	stage		cent of the pods turn brown and during
and			morning hours to avoid shattering.
blackgram	8 1	1 3	4 As the plants are intertwined, harvest
	1 2	5	the crop by rolling the plants in small
		KOLASIB	patches. Sundry properly to avoid pulse beetle
	1	6	attack.
)	6A	Keep dry neem leaves to avoid pulse
	(1 1	beetle attack.
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Soybean	stage	Horo things	cent of the pods turn brown and during
cultivation in	Stage		morning hours to avoid shattering.
Jhum	MANAT		4 As the plants are intertwined, harvest
Jnum	2	100000	the crop by rolling the plants in small
	5	(AIZAWIL)	patches.
	1	5 5	4 Sundry properly to avoid pulse beetle
	5	Sec. and	attack.
	1	1 55	4 Keep dry neem leaves to avoid pulse
	1 6	A 1 5 -	beetle attack.
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Toria	stage	SERCHN	cent of the siliqua turn white and
	1	V	during morning hours to avoid
	5		shattering.
			As the plants are intertwined, harvest the crop by rolling the plants in small
	1		patches.
		1 (10)/21 51	 Sundry properly to avoid fungus attack.
VEGETABLE CRO)P	CUNCEPT	+ Sullary property to avoid fullgus attacht.
Ginger and	Harvesting	(Pro-	4 Turmeric and ginger is harvested when
turmeric	stage	n (~~	leaves start yellowing and ultimately
		1	the stem dries down.
		Mi and	4 The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
		1 -2 1	digging.
			+ Harvesting consists of digging of
		LAWNGTLAL	underground clumps of rhizomes
		/ SAIHA	with pick axe or digging fork.
			Fingers are separated from mother rhizomes.
			Wash clumps of rhizomes with water
		d C I	
		1141	4 P a g e



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Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
French bean	Harvesting stage		 ml/lt of water. Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is 5 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
Tomato	Harvesting stage	SERCHH	 and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Detete	The same set is a set	Fruit fly	 In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
Potato	Harvesting stage	221	 If the leaves and plant became dry it means plant ready for harvesting. Open the furrow with the help of
		I L L	6 P a g e



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	2	\sum	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	LASIS (Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI Pig	All stages	LUNGLEI	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
		2nd	7 P a g e



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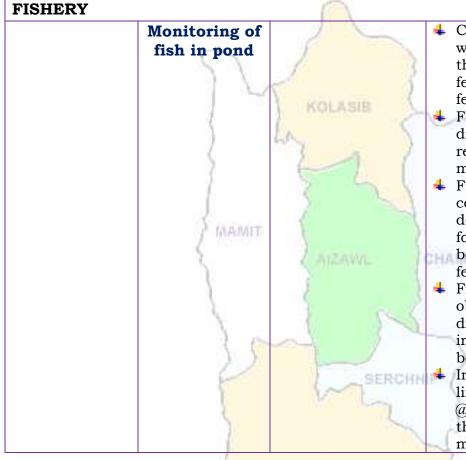
Cattle	All age group		↓ In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
	1	5	antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	() () () () () () () () () ()	(feed
)	60 J	Provide 10-30 ml of vitamin B-Complex
	5		in feed
	3	the second se	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT	1	vet supervision.
	2 martines	1	 Separate sick animals.
	3.0	2 ATZAWIL /	4 The animal should be washed with
	13	1	lukewarm water added with little
		6 3	potash (KMnO4) or neem leaves.
		5 5 6	Long hair near the
	1 1 2	V 2 A	udder/stomach/back legs should be
	S . (teamed short.
Poultry	All age group		Provide preventive dose of anti-coccidial
louiciy	in ago group	SERCHN	drugs to poultry.
	1	V L	 Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	1		vitamin supplements (@5- 6ml/100
	10		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	5	PANGED.	Provide broad-spectrum antihelminthic
	210		drugs under vet supervision and
	5	m 8~~	recommended doses.
		135	4 Vaccination as per the schedule with
			proper consultation with vet.
			Day old chick: HVT Marek disease
		1 La Y	vaccine, 4-7 days:- F/Lasota, 14-18
			days: Intermediate plus/IBD
		A COMPANY PROPERTY OF	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAU	weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
		1 1	RD R-2B strain.
			4 Remove wet litter.
		6 1 3	
			8 P a g e



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- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

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LAWNGTLA

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LAWNGTLA SAIHA

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Period: 07 March – 11 March, 2018

Bulletin N	lo: - 776	5/2018/	Bulletin/	Mizo
		1	1	0

Date of issue: 06th March, 2018

Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	30	30	30	31	31	
Min Temp (°C)	13	13	13	14	14	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	97	77	65	71	95	
	29	24		25	95 18	
Min RH (%)		5	25		<u>18</u> 5	
Wind Speed (KmpH)	4	-	5	4	-	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
		Easterly- N-E, Easterly-				
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon				-	•	
Aizawl- 5.40mm	-	ai- 3.60mm	Saiha- 0.00 m		- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r	•	(33.14mm)	
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	•	07 th March –	11 th March,	2018 chhun	ga sik leh	
three day	S	Sa	a <mark>dinhmun</mark> t	ur tlangpui		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):79- Minimum RH (%):43- Wind Direction: Sout Cloud cover: Clear sk Wind speed: 1-2 km/2 Rainfall: 00.0 mm	5-16°C 91% 56% heasterly y	Tun ni 5 chhung lo awm turah hian ruahtui tla mi tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang vawh lai ber in 13-14°C ni tura beisei a ni. RH sar berin 65-97% leh a hniam lai berin 18-29% ni tur a niin. Thli hi darkar khatah 4 km vela chakin chhaklam zawngin a tleh rin a ni. A tlangpuiin tun ni nga chh hian khawthiang tak hmuh beisei a ni. Weekly cumulative rainfall: 04.0mm				
NDVI for Mizoram		North East Region 29 for	Mildly dry districts of	condition oc Mizoram.	curs in all	
		VIL	19		1 Page	

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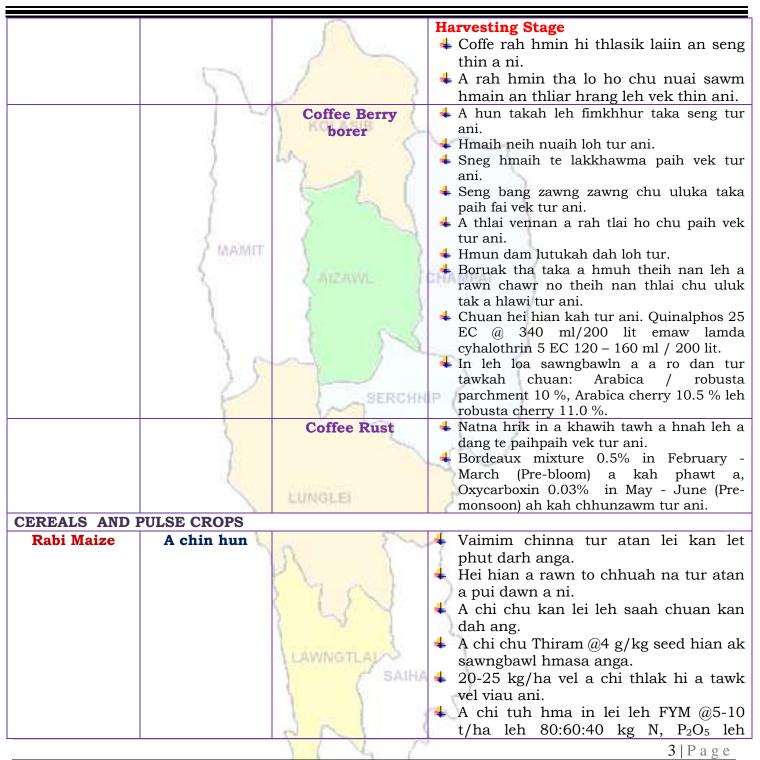


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	•		
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		Thomas 2	velah dahkhawm tur ani.
LIME)	LA.	4 Thlai naupang deuah chuan chawlh
		1 0 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	6	2 5 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1.1.2	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	5.0	greening and Dieback	a trangah te hnawih tur ani.
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a
	1	FILIT IYERCHN	rah tan tirin chawlhkar hnih chhung chu
	1	Y La	heng te hian enkawl tur ani: carbaryl 0.2
	S.		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages	energy second l	Nursery stage
		C	+ Thlai chi thlak hma in Azospirillum leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
		My and	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.
			 A Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur
		≓ SAIHA	
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
L	1	NR C	
		VIV A	2 P a g e
			2 1 agu



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Saukoon no.			K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	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	OP Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease		 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		VIL P	4 P a g e



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



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



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5	\sum	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
Preventiv	e 0-3 rd week	4 Ranikhet Disease- an pian atanga n
measures	la S	1-6 ah F1 vaccine pek tur ani a, chuar
1	~ ~)	a puitlingh chuan R ₂ B vaccine pek tu
2		ani.
		B complex with antibodies
	4 th weeks	Coccidiosis - Amprolium or
E tard		coccidiostat
. 0.055	4-5th weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	(AIZAWAL	CHAMPAI
Monitoring	5	4 Sangha te hi chaw a hmuar kai lo
(Sangha	1 1	chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa
2	nor 1	a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turii
1		hmun ro leh uap lutuk lo ah dahtha
F	SERCH	tur ani a, hmuar atang a tur lo insean
	V	thin, aflatoxin avang a sangha thi lal
4.		atangin sangha a him phah thin.
		4 Dil sah kang veka sangha man thi
1		hian a kumleh a sangha khawinan a d
	LUNGLEI	buatsaih a ti awlsam a, dil mawn
	S management	phoro, chinai phul, leitha hman leh tu
	1	dang in dil buatsaih tur ani.
	Nn (~	Sangha te natna lak atangin an him en
	PN 1	tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu
	5761	enfiah vat tur ani.
	1 LIV	A ranglam a chinai @50kg/ha leh
		tuisen @1.5mg/l diltui a hman hiar
	LAWNGTLANS	sangha natna avang a thi tur lal
	The second s	atangin a veng thei.
	(SAIH/	·
		200
	a a	

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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: Champhai

Period: 07 March - 11 March, 2018

Bulletin	No:	- 776/	/2018/	Bulletin	/English
					0

Date of issue: 06th March, 2018

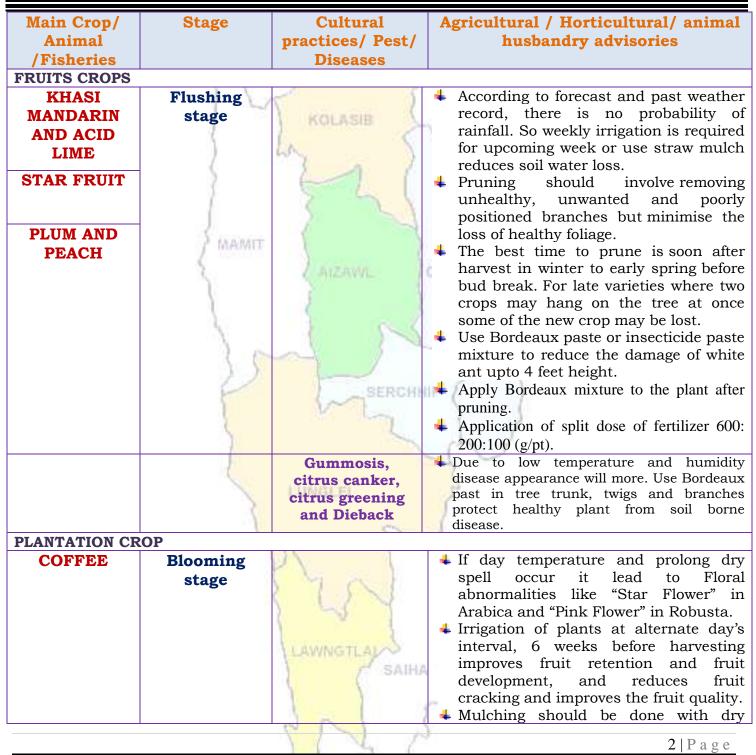
		- 14 C	4.0				
Parameters	07.03.2018		09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	30	30	30	31	31		
Min Temp (°C)	13	13	13	14	14		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear		
Max RH (%)	99	82	70	61	90		
Min RH (%)	31	23	25	24	18		
Wind Speed (KmpH)	3	4	4	4	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-	Easterly- N-E, East	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 Post Mon	soon- February	7 1-28, 2018 (Perce			renthesis)		
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm		
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)		
Weather summary of	of the past	Weather for	ecast valid fro	om 07 th March,	2018 To		
three day	s	11 th March, 2018.					
Maximum Tem. (°C):2	27-28°C	There are no ch	ances of rainf	all during the	next 5 days.		
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5					
Maximum RH (%):73-	88%	days may range for 30-31°C and 13-14°C. Maximum					
Minimum RH (%):42-		relative humidity is expected in the range of 61-99% and					
Wind Direction: Sout	heasterly	minimum may from 18-31%. Wind direction would be					
Cloud cover: Clear sk	· ·	e e					
Wind speed: 2 km/hr		southeasterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.					
		Clear sky will pro	evan during the	e next live days	•		
Rainfall: 00.0 mm							
		Weekl	y cumulative i	rainfall: 00.0 1	nm		
		BLANK EAST BLANK					
NDVI for Mizoram		North East Negion 24 fa	5 5	condition oc	curs in all		
		AT2 1	districts of	Mizoram.			
		- Dige	-				
		CT .					
		•					
		region.					
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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND I		1000	
Maize (Jhum)	Land preparation	LAWNGTLA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		CVV A	3 P a g e
			JIAge



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Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Greengram	stage	2010 tillage	cent of the pods turn brown and during
and	Stuge		morning hours to avoid shattering.
blackgram			4 As the plants are intertwined, harvest
Diachgiain	2.1	1 2	the crop by rolling the plants in small
	1	2	patches.
		KOLASIB	Sundry properly to avoid pulse beetle
	5	Ex S	attack.
	1	~~~)	4 Keep dry neem leaves to avoid pulse
			beetle attack.
Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Soybean	stage	5. 54	cent of the pods turn brown and during
cultivation in	1		morning hours to avoid shattering.
Jhum	J' MAMIT	$\langle \rangle$	4 As the plants are intertwined, harvest
	S	LAIZAWL I	the crop by rolling the plants in small
		All and the second s	patches.
))	4 Sundry properly to avoid pulse beetle
	2	No Call	attack.
	1		Keep dry neem leaves to avoid pulse
//	TTownset		beetle attack.
Zero tillage	Harvesting	Zero tillage	Harvest the crop when about 80 per cent of the siliqua turn white and
Toria	stage	SERCHN	during morning hours to avoid
	1	V~ t_	shattering.
	(As the plants are intertwined, harvest
			the crop by rolling the plants in small
	1		patches.
		1 (10)(31 15)	Sundry properly to avoid fungus attack.
VEGETABLE CRO	OP		
Ginger and	Harvesting	0	4 Turmeric and ginger is harvested when
turmeric	stage 💦	n (~~	leaves start yellowing and ultimately
		91	the stem dries down.
		M REAL	The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
		1 -2 1	digging.
			+ Harvesting consists of digging of
		LAWNGTLAN	underground clumps of rhizomes
		- SAIHA	with pick axe or digging fork.
		1 1	Fingers are separated from mother rhizomes.
			Wash clumps of rhizomes with water
		N N N	
		1140	4 P a g e



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Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Low temperature and high humidity
	T		 Low temperature and high humany influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
French bean	Harvesting stage		 Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage		According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
			5 P a g e

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	7	KOLASIB	 required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
Tomato	Harvesting stage	SERCHH	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Potato	Harvesting	Fruit fly	 In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. If the leaves and plant became dry it
	stage	2nd	means plant ready for harvesting. Open the furrow with the help of
		I L L	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	2	\bigwedge	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	LASIS (Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY		
Pig	All stages		 (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory	1. Culling of positive pigs or piglets.
		Syndrome (PRRS).	7 P a g e



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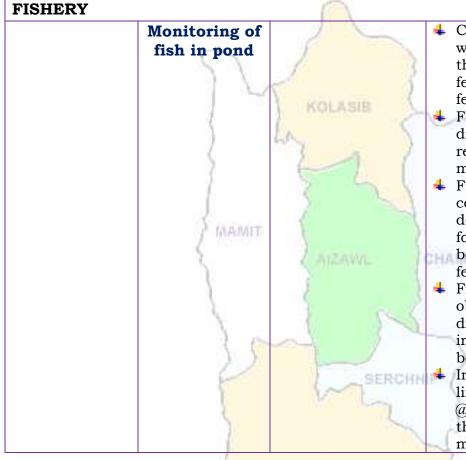
Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5 2	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	() () () () () () () () () ()		feed
)	60 J	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5	the second se	4 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
	- J		followed by annual vaccination under
	MAMIT		vet supervision.
	1000000 C		 Separate sick animals.
	1	(AIZAWL	4 The animal should be washed with
	1	6 N	lukewarm water added with little
	S	5.	potash (KMnO4) or neem leaves.
	S	1 1	4 Long hair near the
	0	A S N	udder/stomach/back legs should be
	100		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
		(~	drugs to poultry.
	× 1		Proper ventilation of shed.
	30	1	+ Provide glucose/electral along with
	118		vitamin supplements (@5- 6ml/100
	16	1000000-000	birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	3		 Provide broad-spectrum antihelminthic
	100	55	drugs under vet supervision and
		M (122	recommended doses.
		DV V	+ Vaccination as per the schedule with
		1 4 25-1	proper consultation with vet.
			> Day old chick: HVT Marek disease
		1 -2 1	vaccine, 4-7 days: F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		/ SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days: RD R-2B strain.
			4 Remove wet litter.
		201	
		VIL /	8 P a g e



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- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

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

Guwahati)



District: Champhai

Period: 07 March - 11 March, 2018

Bulletin No: -	776/2018/	Bulletin/Mizo	
	1		

Date of issue: 06th March, 2018

Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	30	30	30	31	31		
Min Temp (°C)	13	13	13	14	14		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear		
Max RH (%)	99	82	70	61	90		
Min RH (%)	31	23	25	24	18		
Wind Speed (KmpH)	3	4	4	4	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,	•		
Souther	rly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Post Mon							
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm		
(20.78mm)		(13.99mm)	(18.29n	nm)	(33.14mm)		
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)		
Weather summary	of the past	07 th March –	11 th March.	2018 chhun	ga sik leh		
three day	s	07 th March – 11 th March, 2018 chhunga sik leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):2					-: (1:-1-1-		
Minimum Tem. (°C):2 Minimum Tem. (°C):1		Tun ni 5 chhur					
		tura beisei a ni.					
Maximum RH (%):73-88% Minimum RH (%):42-61%		vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai					
Wind Direction: Sout	hoostorla	berin 61-99% leh a hniam lai berin 18-31% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
Cloud cover: Clear sk							
Wind speed: 2 km/hr	· · · · · · · · · · · · · · · · · · ·						
wind speed. 2 km/m		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 00.0 mm							
		Weekl	y cumulative	rainfall: 00.0r	nm		
NDVI for Mizoram		North East Region 7		condition of			
		~ -	districts of		cuis in an		
		-3-3	uistricts of	mizorani.			
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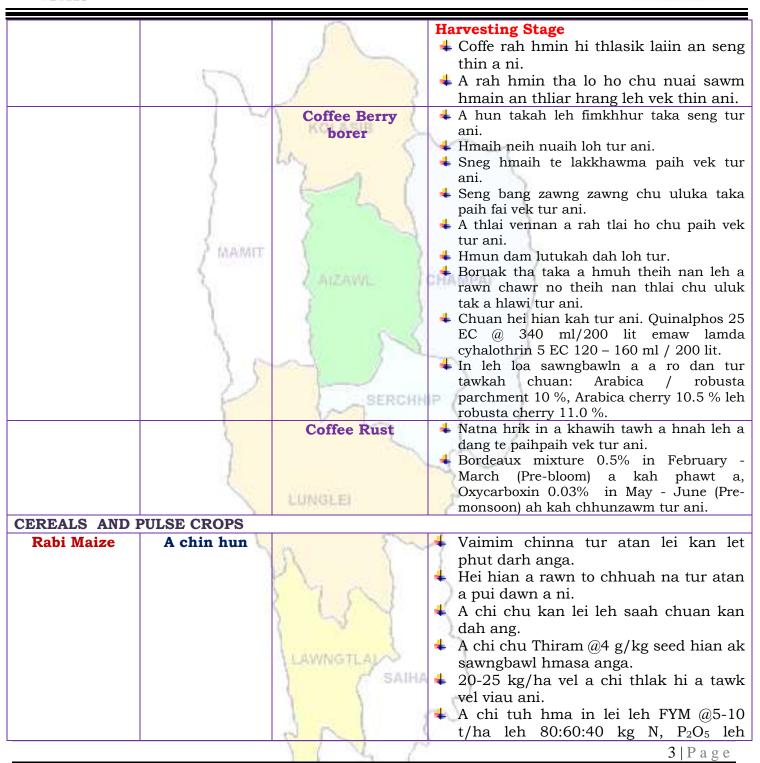


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS		1				
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		I NULMOID 2	velah dahkhawm tur ani.			
LIME)	LA N	4 Thlai naupang deuah chuan chawlh			
	(3 4 1	kar tin a tui pek thin tur ani.			
BANANA	2		4 Leia tha mamawh tawk a hmuh			
	1	2 5 1	theihna turin a hmunhma a hnim awm			
		2	te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	f interiority	5 (taka pek hian a rah tla tur chelh nan			
	30	Z ATZAWIL /	leh a rah than that nan te leh a rah			
PLUM AND			keh tur lakah t a veng thei ani.			
PEACH	1					
	1	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang			
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh			
		greening and	a trangah te hnawih tur ani.			
	11	Dieback				
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu			
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2			
	5		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR						
COFFEE	All stages	HAR AND HAR AND	Nursery stage			
	1	1000	+ Thlai chi thlak hma in Azospirillum leh			
		n 7~	Phosphobacterium a enkawl tur ani.			
		1	+ A chi hi December – January ah hmun			
		Char See V	zawl/rualrem 1.5 - 2.5 cm a in hlatin			
		2 1 5 1	tlar mumal tak siam in chin tur ani.			
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a			
			buhpawla khuh tur ani.			
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh			
		- SAIHA	nan niin a chhun loh nan zar hliah tur			
		(SAINA				
			4 Ni 45 hnu velah a tiak thin a,chu chu			
bag ah an sawn chhuak leh thin ani.						
			2 P a g e			



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



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



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



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



1	NA	 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.
Preve	entive 0-3 rd week	🔰 4 Ranikhet Disease- an pian atanga ni
meas	sures	1-6 ah F1 vaccine pek tur ani a, chuan
	1 7 4 1	a puitlingh chuan R ₂ B vaccine pek tu
		ani.
		B complex with antibodies
~	4 th weeks	Coccidiosis - Amprolium or
	4 Eth Weeler	coccidiostat
	4-5th weeks	\blacksquare Calcium tonic fortified with B ₁₂
FISHERY	AIZAWL:	CHAMPAI
Monito (Sangha enkawl	a	 tur ani a, ninuar atang a tur io nisean thin, aflatoxin avang a sangha thi lakatangin sangha a him phah thin. Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lakatangin a veng thei.
	201	1
	1141	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)



District: Kolasib

Period: 07 March – 11 March, 2018

Bulletin	No: -	776/	/2018/	Bulletin	/English
			1		10

Date of issue: 06th March, 2018

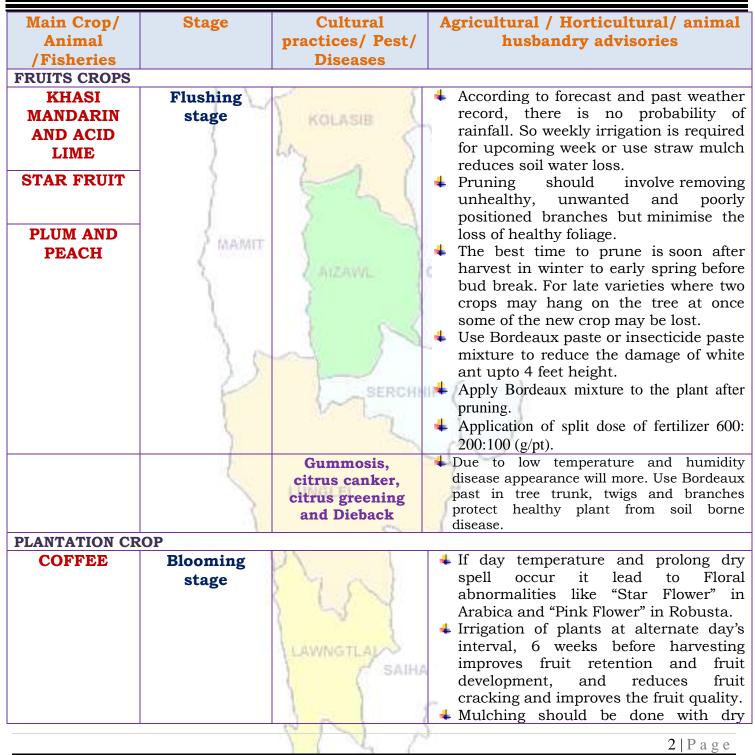
		1000					
Parameters	07.03.2018		09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	31	31	31	31	31		
Min Temp (°C)	15	15	15	16	16		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	89	69	69	81	96		
Min RH (%)	29	24	21	24	18		
Wind Speed (KmpH)	4	5	4	4	5		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-	Easterly- N-E, Ea	asterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , W					
Status of Post Mon	soon- February	7 1-28, 2018 (Perc	ent of deviation f	rom normal in pa	ırenthesis)		
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	b- 7.60mm		
(20.78mm)		(13.99mm)	(18.291	nm)	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n	nm)	(14.39mm)		
Weather summary	of the past	Weather fo	recast valid fro	om 07 th March,	2018 To		
three day	s	11 th March, 2018.					
Maximum Tem. (°C):2	27-29°C	There are no chances of rainfall during the next 5 days.					
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5					
Maximum RH (%):48-		days may range for 31°C and 15-16°C. Maximum relative					
Minimum RH (%):40-		humidity is expected in the range of 69-96% and minimum					
Wind Direction: Sout							
Cloud cover: Clear sk	v	may from 18-29%. Wind direction would be southeasterly					
Wind speed: 1-2 km/	hr	with the wind speed of 4-5 km per hour. Clear sky will					
•		prevail during t	he next five day	s.			
Rainfall: 00.0 mm							
		Week	<mark>ly cumulative</mark> :	rainfall: 00.0 1	mm		
NDVI for Mizoram		North East Region 24	Mildly dry	condition oc	ccurs in all		
		~ ==	districts of				
		532					
		COA I					
		CAT I	}				
		-A	iers.				
		Agriculture signur is moderate over some of the region.	sets North				
		NN	1				
		Y I Y	1		1 P a g e		
			1				

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Rubber Vegetative stage KoLASB The young fruit plant must be irrigated at weekly interval for better establishment. Rubber Vegetative stage Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 It of water 15 days interval. Rubber Vegetative stage According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure. ECREALS AND PULSE CROPS Maize (Jhurn) Land preparation Periodical harvest must be done once in a week Conserve sucker with periodical irrigation. CEREALS AND PULSE CROPS Maize (Jhurn) Preparation Preparation Preparation Preparation Preparation	ICAR			
stage record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Strawberry Harvesting stage Strawberry Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation. CEREALS AND PULSE CROPS Image: sected place. Maize (Jhum) Lund Periodical harvest must be done once in a week Maize (Jhum) Image		7	KOLASIB	 The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Strawberry Harvesting stage + Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. + Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week + Conserve sucker with periodical irrigation. CEREALS AND PULSE CROPS + Maize (Jhum) Land preparation Preparation + Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.	Rubber	stage	AIZAWA	 Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as
Maize (Jhum) Land preparation Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.		stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical
 (Jhum) preparation selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. 				
				 selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm
			C N N	3 P a g e



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Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Greengram	stage	Zere thiage	cent of the pods turn brown and during
and	stuge		morning hours to avoid shattering.
blackgram			4 As the plants are intertwined, harvest
Diachgiaili	2.1	2	the crop by rolling the plants in small
	L.	N	patches.
		KOLASIB	Sundry properly to avoid pulse beetle
	1	Ex S	attack.
	1	W7 2)	4 Keep dry neem leaves to avoid pulse
			beetle attack.
Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Soybean	stage	5 54	cent of the pods turn brown and during
cultivation in	R anno		morning hours to avoid shattering.
Jhum) MAMIT	X 2	4 As the plants are intertwined, harvest
	S	LAIZAWL I	the crop by rolling the plants in small
			patches.
)	1 2	Sundry properly to avoid pulse beetle
	1	S all	attack. 4 Keep dry neem leaves to avoid pulse
	1		beetle attack.
Zero tillage	Harvesting	Zero tillage	Harvest the crop when about 80 per
Toria	stage		cent of the siliqua turn white and
IUIIa	stage	SERCHH	during morning hours to avoid
	5	N La	shattering.
	2		4 As the plants are intertwined, harvest
	- A		the crop by rolling the plants in small
	1		patches.
		LUNGLEI	Sundry properly to avoid fungus attack.
VEGETABLE CRO			
Ginger and	Harvesting	5	4 Turmeric and ginger is harvested when
turmeric	stage	11 1 2	leaves start yellowing and ultimately the stem dries down.
		21 1	
		125 6 6	The plants are-cut close to the ground.The crop is irrigated lightly for easy
		1 61 4	digging.
			 Harvesting consists of digging of
		Linunger and	underground clumps of rhizomes
		LAWNGTLAN	with pick axe or digging fork.
		SAIHA	4 Fingers are separated from mother
			rhizomes.
		1 5 1	➡ Wash clumps of rhizomes with water
		C N N	1 D a c a
		4	4 P a g e



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Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
French bean	Harvesting stage		 ml/lt of water. Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is 5 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
Tomato	Harvesting stage	SERCHH	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Potato	Harvesting	Fruit fly LAWNGTLAL	 In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. If the leaves and plant became dry it means plant ready for harvesting.
	stage	201	4 Open the furrow with the help of
			6 P a g e



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	2	\sum	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	LASIS (Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI Pig	All stages	LUNGLEI Porcine Reproductive	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	7 P a g e



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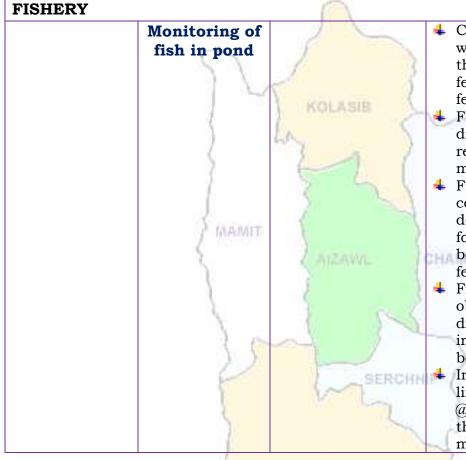
Cattle	All age group	0	4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 3	wounds followed by application of
		5)	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	()	(feed
)	way of	Provide 10-30 ml of vitamin B-Complex
	S	2 1 1	in feed
	6	the same of the	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAINIT	1	vet supervision.
	2 martines	A	 Separate sick animals.
	30	ATZAWIL	4 The animal should be washed with
	13	1	lukewarm water added with little
	(5	potash (KMnO4) or neem leaves.
		1 56	Long hair near the
			udder/stomach/back legs should be
	140		teamed short.
Poultry	All age group	STROUGH	Provide preventive dose of anti-coccidial
		SERCHH	drugs to poultry.
	1	No. Long	+ Proper ventilation of shed.
	S.		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3	energial in the result	+ Provide broad-spectrum antihelminthic
			drugs under vet supervision and
	5	n (~~	recommended doses.
		1	+ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 3	➢ Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
		N	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		- SAIHA	weeks: Chicken embryo adopted
		((5411)4	low pox vaccine and 50-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		8 N A	0 LD
			8 P a g e



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





- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.



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)



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Period: 07 March - 11 March, 2018

Bulletin No: -	776/2018/	Bulletin/	Mizo
	1		e.

Date of issue: 06th March, 2018

		- 1 8 -1	4				
Parameters	07.03.2018		09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	31	31	31	31	31		
Min Temp (°C)	15	15	15	16	16		
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	89	69	69	81	96		
Min RH (%)	29	24	21	24	18		
Wind Speed (KmpH)	4	5	4	4	5		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
Status of Post Mon	soon- February	7 1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)		
Aizawl- 5.40mm		ai- 3.60mm	Saiha- 0.00 m		p- 7.60mm		
(20.78mm)		(13.99mm)	(18.29r	nm)	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n	n m)	(14.39mm)		
Weather summary	of the past	07 th March –	11 th March.	2018 chhun	ga sik leh		
three day	· · · · · · · · · · · · · · · · · · ·	sa dinhmun tur tlangpui					
					• .1 • 11		
Maximum Tem. (°C):2		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 31ºC a ni ang a. A					
Maximum RH (%):48-		vawh lai ber in 15-16°C ni tura beisei a ni. RH san lai					
Minimum RH (%):40-		berin 69-96% leh a hniam lai berin 18-29% ni tur a rin					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	niin. Thli hi dar	kar khatah 4-	5 km vela chak	in chhaklam		
Cloud cover: Clear sk	·	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
Wind speed: 1-2 km/	hr	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 00.0 mm		Weahl	u oumulativo	rainfall: 00.0r	n		
		weeki	y cumulative	<i>ranjan:</i> 00.01			
		North East Region 24 Jac	B 6 1 11 1	1	• •		
NDVI for Mizoram			winary ary	condition oc	curs in all		
		- AB 1	districts of	Mizoram.			
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			-				
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		regim.					
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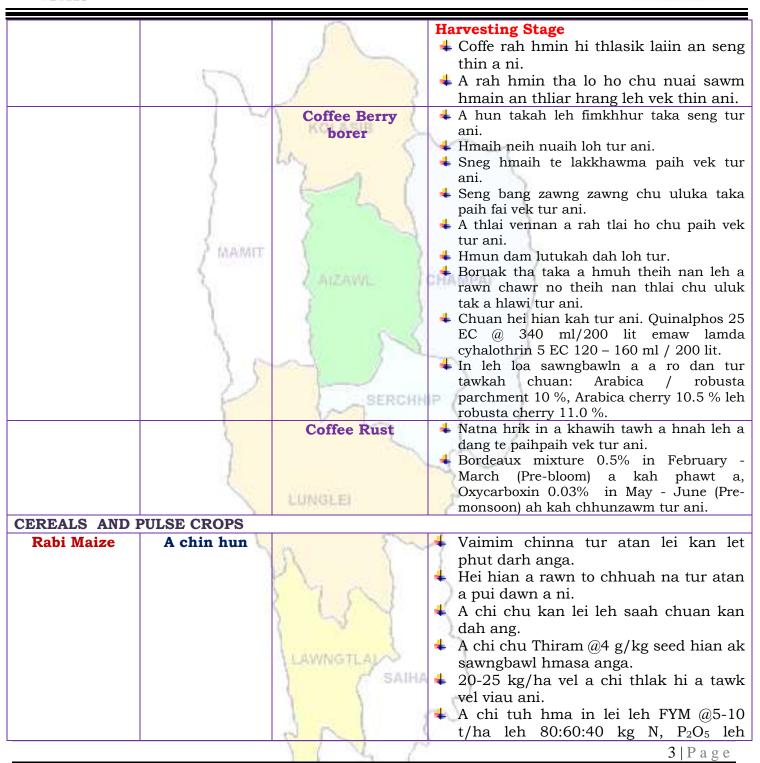


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID 2	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	f interiority	5 (taka pek hian a rah tla tur chelh nan
	3.0	Z ATZAWIL /	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH			
	100	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
	1 1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	3	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	HAR AND HAR AND	Nursery stage
	11	1000	+ Thlai chi thlak hma in Azospirillum leh
		n 7~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		Char See V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2 P a g e



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	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 CR0	Sowing stage	AIZAWL SERCHN	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		VIL P	4 P a g e



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0	5	KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
Onion and capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
		PN 2	
			5 P a g e



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



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



	5	\sum	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga n
	measures	la S	1-6 ah F1 vaccine pek tur ani a, chuar
	1	~~ ~)	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
		445 1	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium o
	MAMIT	4 1541 777 1	coccidiostat
	2. 0000000	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHAMPAI
	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 anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lah atangin a veng thei.
		P N S	P
		1 4 6	7 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Period: 07 March – 11 March, 2018

Bulletin	No: -	776/2018/	Bulletin /	English
			1	0

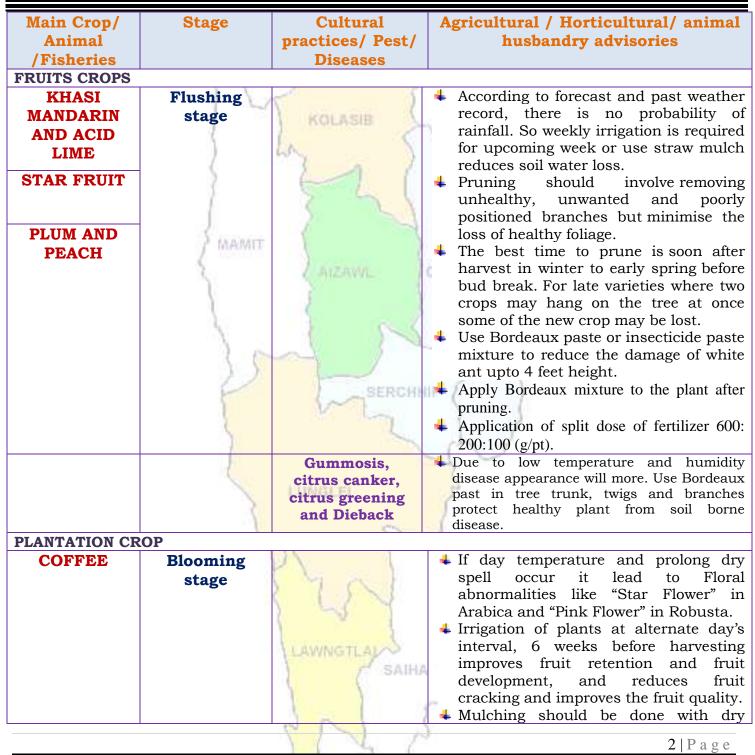
Date of issue: 06th March, 2018

		100				
Parameters	07.03.2018		09.03.2018	10.03.2018	11.03.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	31	31	31	31	32	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	95	91	80	90	95	
Min RH (%)	24	20	20	18	15	
Wind Speed (KmpH)	3	2	4	4	3	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon			nt of deviation f	rom normal in pa	renthesis)	
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n	n m)	(14.39mm)	
Weather summary	of the past	Weather for	ecast valid fro	om 07 th March,	2018 To	
three day	s	11 th March, 2018.				
Maximum Tem. (°C):2	27-28°C	There are no chances of rainfall during the next 5 days.				
Minimum Tem. (°C):1	6-17°C	The maximum and minimum temperatures for the next 5 days may range for 31-32°C and 14°C. Maximum relative humidity is expected in the range of 80-95% and minimum may from 15-24%. Wind direction would be easterly with				
Maximum RH (%):73-	93%					
Minimum RH (%):43-	61%					
Wind Direction: Sout	heasterly					
Cloud cover: Clear sk	y	2			•	
Wind speed: 1-2 km/	hr	the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.				
		during the next l	live days.			
Rainfall: 00.0 mm						
		Weekl	y cumulative i	rainfall: 00.0 1	mm	
NDVI for Mizoram		North East Negion 24 In		condition oc	curs in all	
			districts of	Mizoram.		
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		CT .				
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	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND F Maize (Jhum)	PULSE CROPS Land preparation	LAWNGTLAL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		602 3	3 P a g e



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Zero tillage	Unwroating	Zero tillage	4 Harvest the crop when about 80 per
	Harvesting stage	Zero tillage	cent of the pods turn brown and during
Greengram	stage		morning hours to avoid shattering.
and			As the plants are intertwined, harvest
blackgram	21	1 5	the crop by rolling the plants in small
		(patches.
		KOLASIB	Sundry properly to avoid pulse beetle
	(1.	attack.
)	60 J	4 Keep dry neem leaves to avoid pulse
	5		beetle attack.
Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Soybean	stage	5 54	cent of the pods turn brown and during
cultivation in			morning hours to avoid shattering.
Jhum	J' MAMIT		4 As the plants are intertwined, harvest
	5	LAIZAWL 1	the crop by rolling the plants in small
		Collection 1	patches.
		1	4 Sundry properly to avoid pulse beetle
	1	1 a 1	attack.
			4 Keep dry neem leaves to avoid pulse
			beetle attack.
Zero tillage	Harvesting	Zero tillage	Harvest the crop when about 80 per
Toria	stage	SERCHN	cent of the siliqua turn white and
	1	V	during morning hours to avoid shattering.
			As the plants are intertwined, harvest
	1		the crop by rolling the plants in small
	P		patches.
		((milting)	Sundry properly to avoid fungus attack.
VEGETABLE CRO)P	LUNGERI	· Sullary property to avoia failing at attach
Ginger and	Harvesting	0	4 Turmeric and ginger is harvested when
turmeric	stage	n (~~	leaves start yellowing and ultimately
	-		the stem dries down.
		M REAL	The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
		1 -2 1	digging.
			+ Harvesting consists of digging of
		LAWNGTLAL	underground clumps of rhizomes
		- SAIHA	with pick axe or digging fork. Fingers are separated from mother
		1 1	+ Fingers are separated from mother rhizomes.
			Wash clumps of rhizomes with water
		d C I	
		140	4 P a g e



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Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
French bean	Harvesting stage		 ml/lt of water. Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	20	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is 5 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
Tomato	Harvesting stage	SERCHH	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Potato	Harvesting stage	Fruit fly LAWNGTLAL SAIHA	 In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. If the leaves and plant became dry it means plant ready for harvesting.
	8-	ARI	4 Open the furrow with the help of
		1146	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	2	\bigwedge	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	La C	 Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE	ENDARY		
Pig	All stages	LUNGLEI	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
		SAIHA	7 P a g e



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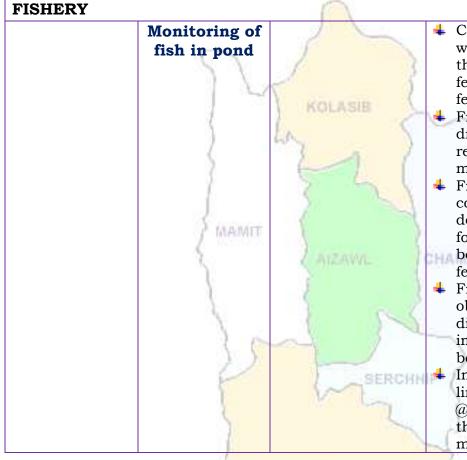
Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	+ Provide UMB/Molases if possible in the
	(6.	feed
	1	~~~)	4 Provide 10-30 ml of vitamin B-Complex
	S		in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
		S	injection after 6 months of 1 st injection
			followed by annual vaccination under
	/ MAMIT		vet supervision.
	C DISSUE	100000	4 Separate sick animals.
	5	AIZAWIL J	4 The animal should be washed with
	1	5	lukewarm water added with little
	8.5	5.	potash (KMnO4) or neem leaves.
	1	1 55	4 Long hair near the
) 6		udder/stomach/back legs should be
	100		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
	5	No the second se	drugs to poultry.
			Proper ventilation of shed.
	3		+ Provide glucose/electral along with
	16		vitamin supplements (@5- 6ml/100
	No.	AUTO CONSTRUCTION	birds) with adequate potable water
		LUNGLEI	+ Avoid overcrowding.
	3		+ Provide broad-spectrum antihelminthic
		5	drugs under vet supervision and
		11 1 1	recommended doses.
			• Vaccination as per the schedule with proper consultation with vet.
		M T Col	> Day old chick: HVT Marek disease
			vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		Company and the second second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAU	weeks. Chicken embryo adopted
		/ SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
	1	NO NO	
		VI VI	8 P a g e



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- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.



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



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Period: 07 March – 11 March, 2018

Date of issue: 06th March, 2018

Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	31	31	31	31	32		
Min Temp (°C)	14	14	14	14	14		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	95	91	80	90	95		
Min RH (%)	24	20	20	18	15		
Wind Speed (KmpH)	3	2	4	4	3		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	esterly-W, North	n-westerly- N-W.			
Status of Post Mon					renthesis)		
Aizawl- 5.40mm	Champh	<mark>ai-</mark> 3.60mm	Saiha- 0.00 m	m Kolasil	o- 7.60mm		
(20.78mm)		(13.99mm)	(18.29r	· · · · · · · · · · · · · · · · · · ·	(33.14mm)		
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m	m Serchh	ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)		
Weather summary	of the past	07 th March –	11 th March,	2018 chhun	ga sik leh		
three day	s		a dinhmun t		0		
Maximum Tem. (°C):2	07-280C	Tun ni 5 chhui			i the might		
Minimum Tem. (°C):1			0				
Maximum RH (%):73-		tura beisei a ni. Khua a lum lai berin 31-32ºC a ni ang a. A					
Minimum RH (%):43-	C10/	vawh lai ber in 14ºC ni tura beisei a ni. RH san lai berin 80-95% leh a hniam lai berin 15-24% ni tur a rin niin. Thli					
Wind Direction: Sout	h a a st a st les						
Cloud cover: Clear sk		hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
Wind speed: 1-2 km/	hr						
wind speed. I 2 milly		hian khawthian	g tak hmuh bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekl	y cumulative	rainfall: 00.0r	nm		
			-				
NDVI for Mizoram		North East Region 24 is	Moderately	wet mildly dr	v/mildlv_wet		
		~~ =-·	conditions	wet minuty ui	j j illing wee		
		532					
		CA A					
		A H	-				
		• Å ==-	ies.				
		Agriculture signer is moderate over some of the per region.	ta Naith				
		6 5	2		4.1.0		
			2		1 Page		

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS			·			
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul			
AND ACID	9	1 mountains 2	velah dahkhawm tur ani.			
LIME)	LA.	4 Thlai naupang deuah chuan chawlh			
	(1 1	kar tin a tui pek thin tur ani.			
BANANA	1		4 Leia tha mamawh tawk a hmuh			
	1	2 2 1	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	1		taka pek hian a rah tla tur chelh nan			
PLUM AND	3	ATZAWIL	leh a rah than that nan te leh a rah			
PEACH			keh tur lakah t a veng thei ani.			
FEACH		O a start a site of the second	4 Temperture hniam lutuk leh hnawng vang			
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna			
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh			
	60	greening and Dieback	a trangah te hnawih tur ani.			
	12	Fruit fly	Huan zau takah chuan a par tan tirh leh a			
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu			
	5	N Lan	heng te hian enkawl tur ani: carbaryl 0.2			
	5		percent emaw malathion 0.15 percent			
	1		suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages		Nursery stage			
	1	000	+ Thlai chi thlak hma in Azospirillum leh			
		γ (\sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun 			
			zawl/rualrem 1.5 - 2.5 cm a in hlatin			
		1 9 26-1	tlar mumal tak siam in chin tur ani.			
			+ Chuan a chi chu lei tlem te a chhilh a			
		1 -2 1	buhpawla khuh tur ani.			
			 Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur			
		- SAIHA	ani.			
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		VIL M	2 P a g e			

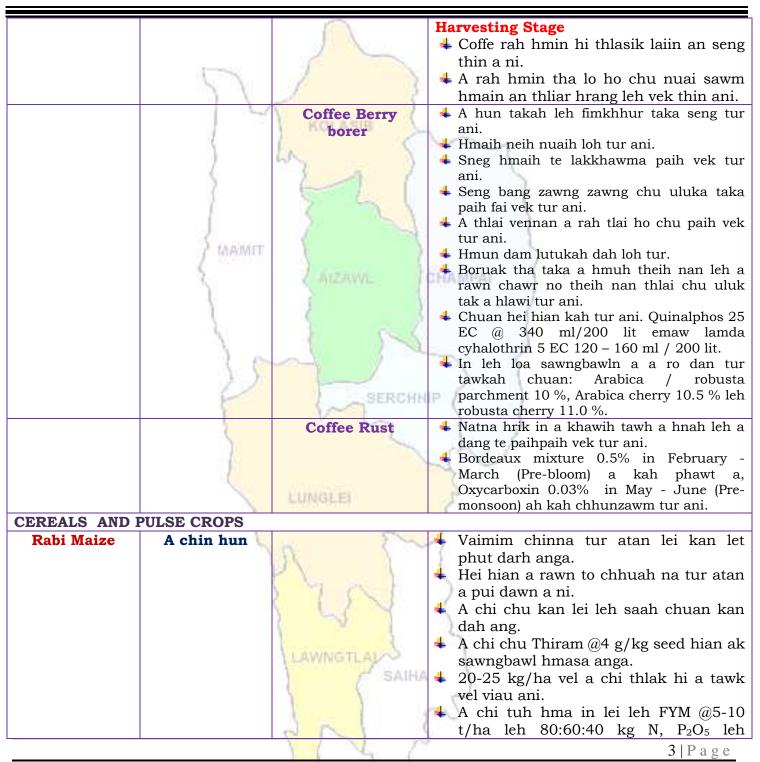


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	2	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CR0	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		CIT Y	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 to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	A.S	 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.



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		900	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	\sum	 Tui an in tur chhawpna tur tha /li tha tak leh tui thianghlim tak pek t ani. Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh t ani.
	Preventive	0-3 rd week	# Ranikhet Disease- an pian atanga
	measures	En S	1-6 ah F1 vaccine pek tur ani a, chu
	1	~~~)	a puitlingh chuan R ₂ B vaccine pek t
	2		ani.
			B complex with antibodies
		4 th weeks	4 Coccidiosis - Amprolium
	AMAMIT	4 1941 177 1	coccidiostat
	2. 00850303	4-5 th Weeks	\downarrow Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHAMPAI
	Monitoring (Sangha enkawl)		 tur an a, ninuar atang a tur to insea thin, aflatoxin avang a sangha thi l atangin sangha a him phah thin. Dil sah kang veka sangha man th hian a kumleh a sangha khawinan a buatsaih a ti awlsam a, dil maw phoro, chinai phul, leitha hman leh t dang in dil buatsaih tur ani. Sangha te natna lak atangin an him e tih enfiah fo a tha a, natna hmuh ar chuan mithiam te rawn vat a, dil enfiah vat tur ani. A ranglam a chinai @50kg/ha l tuisen @1.5mg/l diltui a hman hi sangha natna avang a thi tur l atangin a veng thei.
		P N N	
		1 4 6	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Period: 07 March - 11 March, 2018

Bulletin	No: -	776/	2018/	Bulletin	/English
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Date of issue: 06th March, 2018

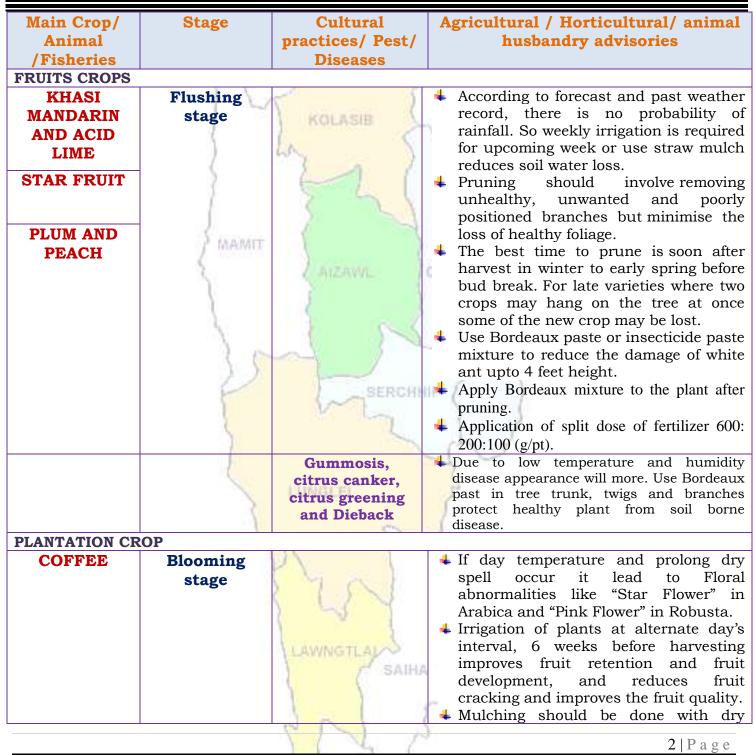
		1	4.5		
Parameters	07.03.2018		09.03.2018	10.03.2018	11.03.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	31	31	31	31	31
Min Temp (°C)	13	13	13	14	14
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear
Max RH (%)	100	98	58	68	100
Min RH (%)	27	23	24	21	17
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	E	N-E
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
Status of Post Mon	soon- February	1-28, 2018 (Perce	nt of deviation f	rom normal in pa	renthesis)
Aizawl- 5.40mm	Champh	ai- 3.60mm	Saiha- 0.00 m	m Kolasil	- 7.60mm
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)
Lawngtlai-4.00mm	Lungle	i-4.30mm	Mamit-8.10m		ip-4.10mm
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)
Weather summary of	of the past	Weather for	ecast valid fro	m 07 th March,	2018 To
three day	s		11 th March	, 2018.	
Maximum Tem. (°C):2	24-26°C	There are no ch	ances of rainf	all during the	next 5 days.
Minimum Tem. (°C):1		The maximum a		U U	•
Maximum RH (%):68-		days may range		±	
Minimum RH (%):42-	57%	humidity is ex			
Wind Direction: Sout	heasterly	minimum may			
Cloud cover: Clear sk	y	easterly to north			
Wind speed: 1-2 km/		hour. Clear sky	2		–
		nour. Clear sky	wiii pievaii uui	ing the next invo	e uays.
Rainfall: 00.0 mm					
		ωεεκι	y cumulative i	rainfall: 00.0 1	nm
		North Fast Region			
NDVI for Mizoram		North East Negron 24 fee	winary ary	condition oc	curs in all
			districts of	Mizoram.	
			-		
		Chill and the second se	1		
		Agriculture region to residentia over porce of the part	a Narth		
		ingen			
		5 3	N		1 D o g o
		-			1 Page

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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND			
Maize (Jhum)	Land preparation	LAWNGTLAU	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		C N N	2 D o g o
			3 P a g e



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Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Greengram	stage	Dere thiage	cent of the pods turn brown and during
and	stuge		morning hours to avoid shattering.
blackgram			4 As the plants are intertwined, harvest
Diachgiaili	2.1	2 2	the crop by rolling the plants in small
	L.	N	patches.
		KOLASIB	Sundry properly to avoid pulse beetle
	1	Ex S	attack.
	1	W7 2)	4 Keep dry neem leaves to avoid pulse
	2		beetle attack.
Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Soybean	stage	5 54	cent of the pods turn brown and during
cultivation in	R anno		morning hours to avoid shattering.
Jhum) MAMIT	X 2	4 As the plants are intertwined, harvest
	S	LAIZAWL I	the crop by rolling the plants in small
			patches.
)	1 1	Sundry properly to avoid pulse beetle attack.
	10	S all	Keep dry neem leaves to avoid pulse
	1		beetle attack.
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Toria	stage		cent of the siliqua turn white and
Iona	Stage	SERCHH	during morning hours to avoid
	1	M. Long	shattering.
	50		4 As the plants are intertwined, harvest
	1	N 100	the crop by rolling the plants in small
	£		patches.
		LUNGLEI	Sundry properly to avoid fungus attack.
VEGETABLE CRO			
Ginger and	Harvesting	5	4 Turmeric and ginger is harvested when
turmeric	stage	11 1 2	leaves start yellowing and ultimately the stem dries down.
		21 1	
		125 6 6	The plants are-cut close to the ground.The crop is irrigated lightly for easy
		1 61 4	digging.
			 Harvesting consists of digging of
		Linunger and	underground clumps of rhizomes
		LAWNGTLAN	with pick axe or digging fork.
		SAIHA	4 Fingers are separated from mother
			rhizomes.
		1 5 1	➡ Wash clumps of rhizomes with water
		6 N N	4 L D o o o
		4	4 P a g e



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Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
	E		 Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
French bean	Harvesting stage		 Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
		1121	5 P a g e



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Chilli Vegetative to flowering stage Image: Chilli State Fruit and shoot borer attack will mare in advertal mature fruits. Chilli Vegetative to flowering stage Image: Chilli State Fruit and shoot borer attack will mare in advertal mature fruit. Tomato Harvesting stage Image: Chilli State According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Tomato Harvesting stage Image: Chilli State According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Tomato Harvesting stage Image: Chilli State Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and up split dose of nitrogenous fertilizer to the plant. Image: Chilli State Image: Chilli State Tomato Harvesting stage Image: Chilli State Image: Chilli State Image: Chilli State Tomato Harvesting stage Image: Chilli State Image: Chilli State Image: Chilli State Tomato Harvesting stage Image: Chilli State Image: Chilli State Image: Chilli State				
flowering stagerecord, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant.TomatoHarvesting stageLight irrigation on every alternate day may be given for better establishment and smooth growth.TomatoHarvesting stagePrivit flyTomatoHarvesting stageFruit flyTomatoHarvesting stageFruit flyTomatoHarvesting stageFruit flyTomatoHarvesting stageFruit flyTomatoHarvesting stageFruit flyPotatoHarvesting stageFruit flyPotatoHarvesting stageFruit flyPotatoHarvesting stageFruit flyPotatoHarvesting stageFruit flyPotatoHarvesting stagePotato		$\sum_{i=1}^{n}$	KOLASIB	 straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
stagemay be given for better establishment and smooth growth.If irrigation is not available keep grass and dry leaves as mulch.If irrigation is not available keep grass and dry leaves as mulch.Bacterial wiltPrevailing weather may conducive for blight in Tomato.Cloudy and humid weather is most favorable for the disease.To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.PotatoHarvesting stageIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.PotatoHarvesting stageIf the leaves and plant became dry it means plant ready for harvesting. 4 Open the furrow with the help of	Chilli	flowering	AIZAWL	 record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant.
PotatoHarvesting stageFruit flyIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.PotatoHarvesting stage4 If the leaves and plant became dry it means plant ready for harvesting. 4 Open the furrow with the help of	Tomato		my	 may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour
Potato Harvesting stage or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. Potato Harvesting stage If the leaves and plant became dry it means plant ready for harvesting.		3	A.S	 blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Open the furrow with the help of	Potato	•	LAWNGTLAN	 or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. If the leaves and plant became dry it
		stage	201	4 Open the furrow with the help of



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	2	\sum	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	LASIS (Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI Pig	All stages	LUNGLEI Porcine Reproductive Respiratory	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
L		Syndrome (PRRS).	7 P a g e



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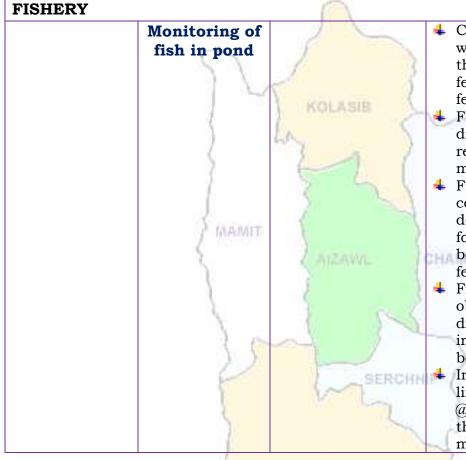
Cattle	All age group	12	4 In present weather conditions, special
Cattle	An age group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	5 5	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIE	 Provide UMB/Molases if possible in the
	1	0	feed
)	an s	Provide 10-30 ml of vitamin B-Complex
	(1 1	in feed
	1		4 1 st injection at 6-8 weeks of age, 2nd
	6	2 2 1	injection after 6 months of 1 st injection
		21	followed by annual vaccination under
	AMAMIT		vet supervision.
	1	5	 Separate sick animals.
	3.0	2 ATZAWAL I	↓ The animal should be washed with
			lukewarm water added with little
	1	- 2	potash (KMnO4) or neem leaves.
		3 and	Long hair near the
			udder/stomach/back legs should be
			teamed short.
Poultry	All age group		 Provide preventive dose of anti-coccidial
routry	All age gloup	SERCHN	drugs to poultry.
	1	V	 Proper ventilation of shed.
			 Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	5	PROPERTY.	Provide broad-spectrum antihelminthic
	1		drugs under vet supervision and
		m En	recommended doses.
		16	4 Vaccination as per the schedule with
		P Var V	proper consultation with vet.
			Day old chick: HVT Marek disease
) La Y	vaccine, 4-7 days:- F/Lasota, 14-18
		1 × 1	days: Intermediate plus/IBD
		LI MANUETT ALL	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAN	weeks: Chicken embryo adopted
		SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		1 15 11 11	4 Remove wet litter.
		P N N	
		1 4 6	8 P a g e



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





- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

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LAWNGTLA

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



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LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Period: 07 March - 11 March, 2018

Bulletin No: -	776/2018/	Bulletin/Mizo
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Status of Post Mon					renthesis)
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NDVI for Mizoram		North East Region 29 fa	Mildly dry districts of	condition oc Mizoram.	curs in all
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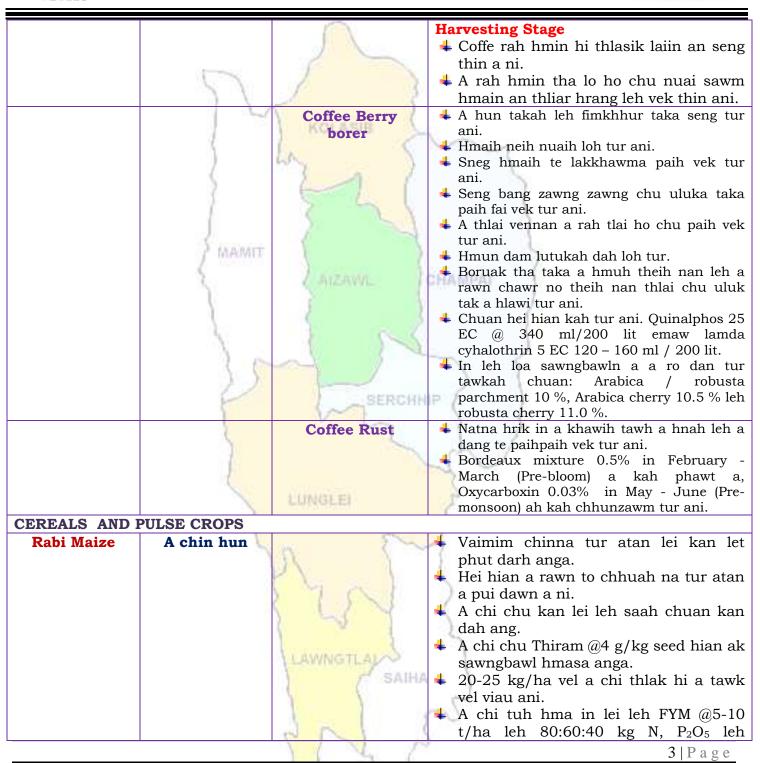


Main Crop/ Animal /FisheriesStageCultural practices/Pest/ DiseasesAgricultural / Horticultural/ husbandry advisoriesFRUITS CROPSFRUITS CROPSKHASI MANDARIN AND ACID LIMEA kui atanga a seng hun+ Thlasik laia thlai bul khoro vennan chuan hnim hnah hri velah dahkhawm tur ani.BANANAA kui atanga a seng hun+ Thlasik laia thlai bul khoro vennan chuan hnim hnah hri velah dahkhawm tur ani.BANANAA kui atanga a seng hun+ Thlasik laia thlai bul khoro vennan chuan hnim hnah hri velah dahkhawm tur ani.BANANAA seng hun+ Thlai naupang deuah chua kar tin a tui pek thin tur ani.BANANA- A seng hma kar 6 chhung ch taka pek hian a rah tla tur of leh a rah than that nan te keh tur lakah t a veng thei an PEACHPLUM AND PEACHGummosis, citrus4 Temperture hniam lutuk leh hm	lutuk tur ng tlai bul n chawlh a hmuh nim awm nu tui tha chelh nan
/FisheriesDiseasesFRUITS CROPSKHASI MANDARIN AND ACID LIMEA kui atanga a seng hunImage: Comparison of the send hun	lutuk tur ng tlai bul n chawlh a hmuh nim awm nu tui tha chelh nan
FRUITS CROPS KHASI MANDARIN A kui atanga a seng hun Akui atanga A kui atanga a seng hun LIME BANANA BANANA STAR FRUIT PLUM AND PLUM AND PEACH	ng tlai bul n chawlh a hmuh nim awm nu tui tha chelh nan
KHASI MANDARIN AND ACID LIMEA kui atanga a seng hunImage: A seng hunThiasik laia thlai bul khoro vennan chuan hnim hnah hri velah dahkhawm tur ani.BANANAThiai naupang deuah chua kar tin a tui pek thin tur ani.Thiai naupang deuah chua kar tin a tui pek thin tur ani.BANANALimeLimeBANANAA seng hunA seng hunSTAR FRUITA seng hunA seng hunPLUM AND PEACHPLUM AND PEACHA seng hun	ng tlai bul n chawlh a hmuh nim awm nu tui tha chelh nan
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AND ACID velah dahkhawm tur ani. LIME Thlai naupang deuah chua BANANA Leia tha mamawh tawk BANANA Leia tha mamawh tawk STAR FRUIT A seng hma kar 6 chhung ch PLUM AND PEACH	a hmuh nim awm nu tui tha chelh nan
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STAR FRUIT Image: Star fruit PLUM AND PLUM AND PEACH Image: Fruit	nim awm nu tui tha chelh nan
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STAR FRUIT A seng hma kar 6 chhung ch PLUM AND Ich a rah than that nan te PEACH Ich a rah than that nan te	chelh nan
PLUM AND taka pek hian a rah tla tur o PEACH taka pek hian a rah tla tur o	chelh nan
PLUM AND PEACH Itaka pek man a ran tia tur o PEACH Itaka pek man a ran tia tur o	
PLUM AND keh tur lakah t a veng thei and PEACH Image: state s	leh a rah
PEACH PEACH	
Gummosis, citrus 4 Lemperture nniam lutiuk len nn	
	0 0
greening and Dieback laka vennan Bordeaux past hi th a trangah te hnawih tur ani.	ing zar ien
Fruit fly Huan zau takah chuan a par tar	tirh leh o
rah tan tirin chawlhkar hnih cl	
heng te hian enkawl tur ani: ca	
percent emaw malathion 0.1	
suspension containing sugar or	jeggery at
10 g/l.	
PLANTATION CROP	
COFFEE All stages Nursery stage	
+ Thlai chi thlak hma in Azospi	
Phosphobacterium a enkawl tu	
A chi hi December – January	
zawl/rualrem 1.5 - 2.5 cm a tlar mumal tak siam in chin tu	
+ Chuan a chi chu lei tlem te a	
buhpawla khuh tur ani.	
↓ Nitin tui pek tur ani a, a sat l	utuka loh
LawNGTLAL	
SAIHA ani.	inun tul
↓ Ni 45 hnu velah a tiak thin a	a.chu chu
bag ah an sawn chhuak leh th	
2	



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



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



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

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	5	\sum	tha tal ani. Chaw a	i in tur chhawpna tur tha /lian k leh tui thianghlim tak pek tur a hmuar/thing pek loh tur ani a, aw eitur thlak sak thut loh tur
	Preventive	0-3 rd week		het Disease- an pian atanga ni
	measures	En S		F1 vaccine pek tur ani a, chuan
	1	~~~)		ingh chuan R ₂ B vaccine pek tu
	2		ani.	1
	1			plex with antibodies
		4 th weeks		diosis- Amprolium or
	FINAMIT		coccid	
	Z. 1055005	4-5 th Weeks		m tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	IAMPAI	
	Monitoring (Sangha enkawl)		 chauh lo hmu a phore Sangha hmun tur ani thin, a atangin Dil sal hian a buatsa phoro, dang ir Sangha tih enf chuan enfiah A ran tuisen sangha 	a te hi chaw a hmuar kai la pek thin tur ani. Sangha chaw a aar anih chuan pek hma in ni sa o phawt tur ani. a chaw hi a hmuar lohna turir ro leh uap lutuk lo ah dahtha i a, hmuar atang a tur lo insean aflatoxin avang a sangha thi lak n sangha a him phah thin. h kang veka sangha man thir kumleh a sangha khawinan a di ih a ti awlsam a, dil mawng chinai phul, leitha hman leh tu n dil buatsaih tur ani. a te natna lak atangin an him em iah fo a tha a, natna hmuh anih mithiam te rawn vat a, diltu vat tur ani. glam a chinai @50kg/ha leh @1.5mg/l diltui a hman hiar a natna avang a thi tur lak n a veng thei.
		6 N 3		7 D
				7 P a g e

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District: Mamit

Period: 07 March - 11 March, 2018

Date of issue: 06th March, 2018

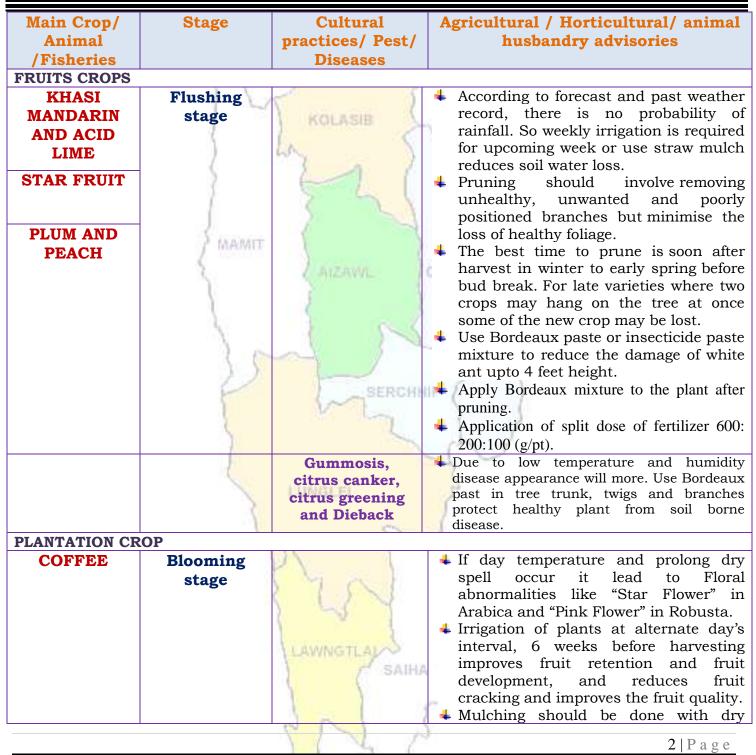
	8 1	R	5			
Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	30	30	30	31	31	
Min Temp (°C)	13	13	13	14	14	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	92	69	63	79	95	
Min RH (%)	28	24	26	24	19	
Wind Speed (KmpH)	4	5	6	4	6	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
Status of Post Mon					renthesis)	
Aizawl- 5.40mm	-	nai- 3.60mm	Saiha- 0.00 m		b- 7.60mm	
(20.78mm)		(13.99mm)	(18.29r		(33.14mm)	
Lawngtlai-4.00mm	Lungl	ei-4.30mm	Mamit-8.10m		<mark>ip-4.10mm</mark>	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary of	of the past	Weather for	ecast valid fro	om 07 th March,	2018 To	
three days	S	11 th March, 2018.				
Maximum Tem. (°C):2	28-30°C	There are no chances of rainfall during the next 5 days.				
Minimum Tem. (°C):1	8-20°C	The maximum and minimum temperatures for the next 5				
Maximum RH (%):72-	94%	days may range for 30-31°C and 13-14°C. Maximum				
Minimum RH (%):42-0		relative humidity is expected in the range of 63-95% and				
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	minimum may from 19-28%. Wind direction would be				
Cloud cover: Mainly o		southeasterly with the wind speed of 4-6 km per hour.				
Wind speed: 1-2 km/	hr	Clear sky will prevail during the next five days.				
		Clear sky will pr	evan during the	e next live days	•	
Rainfall: 00.0 mm						
		Weekl	y cumulative i	rainfall: 00.0 1	mm	
		NAME FOR BRIDE				
NDVI for Mizoram		North East Region 24.1x	Mildly dry	condition oc	curs in all	
			districts of	Mizoram.		
		- Dige	-			
		PT I	} ===			
		region and a region is model allo over and a differ per				
		6 5	2		1	
					1 Page	
			1			

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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND I		1000	
Maize (Jhum)	Land preparation	LAWNGTLA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		CVV A	3 P a g e
			JIAge



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Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Greengram	stage	2010 tillage	cent of the pods turn brown and during
and	Stuge		morning hours to avoid shattering.
blackgram			4 As the plants are intertwined, harvest
Diachgiain	2.1	1 2	the crop by rolling the plants in small
	1	2	patches.
		KOLASIB	Sundry properly to avoid pulse beetle
	5	Ex S	attack.
	1	~~~)	4 Keep dry neem leaves to avoid pulse
			beetle attack.
Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Soybean	stage	5. 54	cent of the pods turn brown and during
cultivation in	1		morning hours to avoid shattering.
Jhum	J' MAMIT	$\langle \rangle$	4 As the plants are intertwined, harvest
	S	LAIZAWL I	the crop by rolling the plants in small
		All and the second s	patches.
))	4 Sundry properly to avoid pulse beetle
	2	No Call	attack.
	1		Keep dry neem leaves to avoid pulse
//	TTownset		beetle attack.
Zero tillage	Harvesting	Zero tillage	Harvest the crop when about 80 per cent of the siliqua turn white and
Toria	stage	SERCHN	during morning hours to avoid
	1	V~ t_	shattering.
	(As the plants are intertwined, harvest
			the crop by rolling the plants in small
	1		patches.
		1 (10)(31 15)	Sundry properly to avoid fungus attack.
VEGETABLE CRO	OP		
Ginger and	Harvesting	0	4 Turmeric and ginger is harvested when
turmeric	stage 💦	n (~~	leaves start yellowing and ultimately
		91	the stem dries down.
		M REAL	The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
		1 -2 1	digging.
			+ Harvesting consists of digging of
		LAWNGTLAN	underground clumps of rhizomes
		- SAIHA	with pick axe or digging fork.
		1 1	Fingers are separated from mother rhizomes.
			Wash clumps of rhizomes with water
		N N N	
		1140	4 P a g e



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Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Low temperature and high humidity
	5		 Low temperature and high humany influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
French bean	Harvesting stage		 Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage		According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
			5 P a g e

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	7	KOLASIB	 required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
Tomato	Harvesting stage	SERCHH	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Potato	Harvesting	Fruit fly	 In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. If the leaves and plant became dry it
	stage	2nd	means plant ready for harvesting. Open the furrow with the help of
		I L L	6 P a g e



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	2	\bigwedge	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	LASIS (Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY		
Pig	All stages		 (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
		Porcine Reproductive Respiratory	1. Culling of positive pigs or piglets.
		Syndrome (PRRS).	7 P a g e



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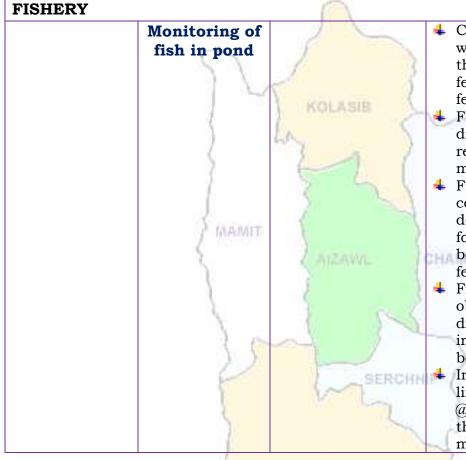
Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5 2	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	() () () () () () () () () ()		feed
)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5	the second se	4 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
	- J		followed by annual vaccination under
	MAMIT		vet supervision.
	1000000 C		 Separate sick animals.
	1	(AIZAWL	4 The animal should be washed with
	1	6	lukewarm water added with little
	S	5.	potash (KMnO4) or neem leaves.
	S	1 1	4 Long hair near the
	0	1 1 ×	udder/stomach/back legs should be
	100		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
		(~	drugs to poultry.
	× 1		Proper ventilation of shed.
	30	1	+ Provide glucose/electral along with
	118		vitamin supplements (@5- 6ml/100
	16	1000000-000	birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	3		 Provide broad-spectrum antihelminthic
	100	55	drugs under vet supervision and
		M (122	recommended doses.
		DV V	+ Vaccination as per the schedule with
		1 4 26-1	proper consultation with vet.
			> Day old chick: HVT Marek disease
		1 -2 1	vaccine, 4-7 days: F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		/ SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days: RD R-2B strain.
			4 Remove wet litter.
		201	
		VIL /	8 P a g e



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- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.

<u>h</u>

LAWNGTLA

9 | P a g e



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Mamit

Period: 07 March – 11 March, 2018

Bulletin No: -	776/2018/	Bulletin/Mizo
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Date of issue: 06th March, 2018

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	NDVI for Mizoram		North East Region 21 day	districts of		ocurs in all

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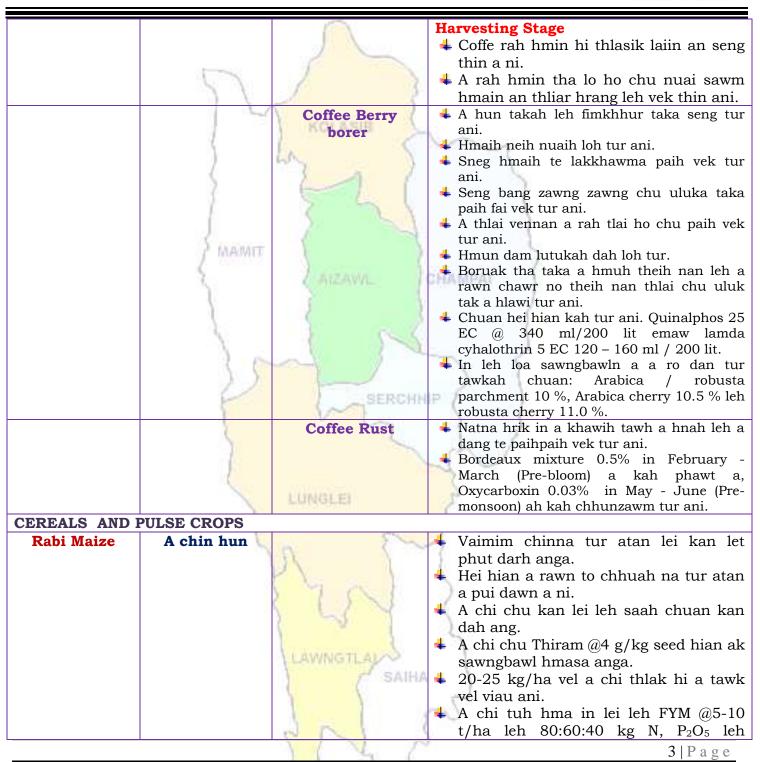


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID >	velah dahkhawm tur ani.
LIME)	LA N	👍 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		🖊 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL /	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
PEACH		0	Tourse strate hair as hetel. 1.1. ha course or as
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1 1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	60	greening and Dieback	a trangah te hnawih tur ani.
		Fruit fly	Huan zau takah chuan a par tan tirh leh a
		FILLE ILYERCHN	rah tan tirin chawlhkar hnih chhung chu
	1	Y Lan	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	0	+ Thlai chi thlak hma in Azospirillum leh
		n (~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin
		4 201	tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 1	Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N S	
		11 L	2 P a g e



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	2	K ₂ O/ha pawlh chu hman ni. Nitrogen dose chanve hunlaia hman tur a ni bang 25% chu thla khat ang a adang leh 25% chu hman tur a ni.	chu a chi tuh a, tichuan a hnu ah ani a par hunah
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	 Zero tillage A than a that theih nan tui pek thin tur ani. Lei rih vur hian thlai kunani. Thlasik lai a lei khoro han a chungah hnim lakhuh tur ani. 	g te a veng ve utuk tur ven
Potato VEGETABLE CRO	Sowing stage	 Muangchang loving alu chu buatsaih vat tur ani. Hei hian a than hun laiin lakah a veng dawn ani. Lei leh hmain a hmun taka thlawh hmasak tur a A chi thlak hma in a ch hmasak tur ani. A than a that theih nan tui pek thin tur ani. 	natna hrikin hma chu fai ni. i chu en fiah
Tomato	Bacterial Blight disease	 Tomato bikah chuan si natna an kaina tlang lawr Hmun hnawng leh ni h hmunah chuan natna an ani. Tomato hi a uai a, a thih Ridomil emaw Indofil em @ 2 gm hi tui liter 1 ah tur ani . 	a ber ani . mu lo lutuk kai hma bik mai loh nan aw Mancozeb
Early Cole crop	Black spot disease	 A than a that theih nan tui pek thin tur ani. Thlai bul vawn hnawn na hnim ring vawm khawn zawhah dah tur ani. Zikhlum lam chi ah ch sa vangin a hnah ah th 	na thlai bula n hi tui pek nuan sik leh
			4 P a g e



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Onion and capsicumNursery stagePoly houseber ani.Onion and capsicumNursery stagePoly house4 than a that theih nan nikhat danah tui pek thin tur ani.Onion and capsicumNursery stagePoly house4 than a that theih nan nikhat danah tui pek thin tur ani.Poly house4 than a that theih nan nikhat danah tui pek thin tur ani.5 thin tur ani.Phytopthora blightPhytopthora blight4 than a that theih nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle aniFrench beanSowing stage4 than a that theih nan ti pek hnim to loh na tur in a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 than a that theih nan ti pek hnim to loh na tur in a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carr				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radish<		5	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 stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel 			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
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.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. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage	LAWNGTLAN	 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
			N 12 12)



ICAR RESEARCH COMPLEX FOR NEH REGION



ANIMAL HUSBE	ENDARY		
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 enfiahrenga, 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 hleani.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
		N N S	



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	5	\sum	 Tui an in tur chhawpna tur tha /liat tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga r
	measures	m)	1-6 ah F1 vaccine pek tur ani a, chua a puitlingh chuan R ₂ B vaccine pek tu ani.
	1	5 6	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium o
	Summer		coccidiostat
	MADVIT	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	1	(AIZAWIL)	CHAMPAI }
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		6 1 1	710000
		1 4 6	7 P a g e



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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Saiha

Period: 07 March - 11 March, 2018

Date of issue: 06th March, 2018

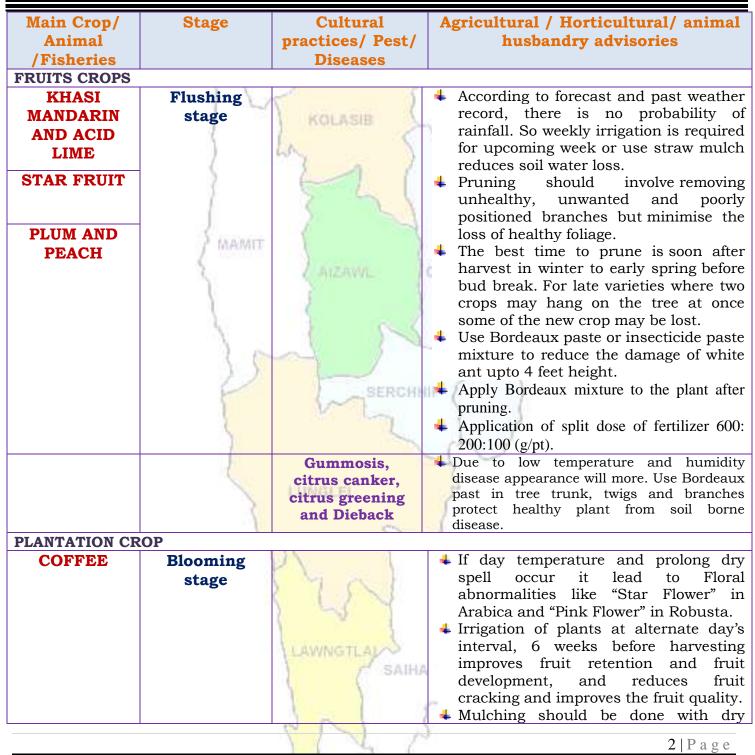
Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	30	30	30	31	31	
Min Temp (°C)	13	13	13	14	14	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	85	81	75	76	70	
Min RH (%)	25	20	23	19	15	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	Е	E	E	
Northe	rly- N, North-l	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mon					•	
Aizawl- 5.40mm	· · · · · · · · · · · · · · · · · · ·	<mark>ai-</mark> 3.60mm	Saiha- 0.00 m		- 7.60mm	
(20.78mm)		(13.99mm)	(18.29n		(33.14mm)	
Lawngtlai-4.00mm	U	i-4.30mm	Mamit-8.10m		ip-4.10mm	
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather for		m 07 th March,	2018 То	
three day		11 th March, 2018.				
Maximum Tem. (°C):2		There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5				
Minimum Tem. (°C):1						
Maximum RH (%):73-		days may rang	e for 30-31°C	c and 13-14°C	C. Maximum	
Minimum RH (%):43-0		relative humidity	y is expected i	n the range of	70-85% and	
Wind Direction: Sout	heasterly	minimum may				
Cloud cover: Clear sk	y					
Wind speed: 1-2 km/	nr	easterly with the wind speed of 4 km per hour. Clear sky will prevail during the next five days.				
		win prevan darm	ig the next live	uuyo.		
Rainfall: 00.0 mm		Weekl	u oumulativo	rainfall: 00.0 1	m m	
		Weeni	y cumululle i	ungun 00.01		
NDVI for Mizoram		North East Region 24 fax	Mildler dare	andition of		
NDVI for Mizoram			Milaly ary	condition oc	curs in an	
		23	districts of	Mizoram.		
		Frank B				
		20	- Geo			
		A CA				
		Agriculture signur is moderate over some of the per-	s Narth			
		195	30000			
		11 L	12		1 Page	

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	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND F Maize (Jhum)	Land preparation	LAWNGTLA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		6 1 1	3 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Greengram	stage	2010 tillage	cent of the pods turn brown and during
and	Stuge		morning hours to avoid shattering.
blackgram			4 As the plants are intertwined, harvest
Diachgiaili	2.1	1 2	the crop by rolling the plants in small
	L.	V	patches.
		KOLASIB	Sundry properly to avoid pulse beetle
	1	Ex S	attack.
	1	W ()	4 Keep dry neem leaves to avoid pulse
	2		beetle attack.
Zero tillage	Harvesting	Zero tillage	4 Harvest the crop when about 80 per
Soybean	stage	5 54	cent of the pods turn brown and during
cultivation in	R anno	1	morning hours to avoid shattering.
Jhum) MAMIT	1 1	4 As the plants are intertwined, harvest
	S	LAIZAWL I	the crop by rolling the plants in small
			patches.
)	1 1	Sundry properly to avoid pulse beetle attack.
	10	S all	Keep dry neem leaves to avoid pulse
	1		beetle attack.
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Toria	stage		cent of the siliqua turn white and
Tona	Stage	SERCHN	during morning hours to avoid
	1	M Long	shattering.
	5		4 As the plants are intertwined, harvest
	1	N 100	the crop by rolling the plants in small
	(C		patches.
		LUNGLEI	Sundry properly to avoid fungus attack.
VEGETABLE CRO			
Ginger and	Harvesting	5	4 Turmeric and ginger is harvested when
turmeric	stage	11 1	leaves start yellowing and ultimately
		21 1	the stem dries down.
		125 6 6	The plants are-cut close to the ground.The crop is irrigated lightly for easy
		1 61 4	digging.
			Harvesting consists of digging of
		Linunger and	underground clumps of rhizomes
		LAWNGTLAN	with pick axe or digging fork.
		SAIHA	4 Fingers are separated from mother
			rhizomes.
		1 3 1	➡ Wash clumps of rhizomes with water
		C N N	
		4 (4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Low temperature and high humidity
French bean	Harvesting stage		 influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water. Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering. Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	PA /	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is 5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Chilli Vegetative to flowering stage Image: Chilli image: C				
flowering stage record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Tomato Harvesting stage Tomato Harvesting stage Bacterial wilt Light irrigation on every alternate day may be given for better establishment and smooth growth. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and Light irrigation on every alternate day may be given for better establishment and smooth growth. Harvest all the mature which colour change to pale yellow to red. Harvest all the mature which colour change to pale yellow to red. Fruit fly Fruit fly Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water. Potato Harvesting stage In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. Potato Harvesting stage Jif the leaves and plant became dry it means plant ready for harvesting.		7	6	 straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi
stagemay be given for better establishment and smooth growth.If irrigation is not available keep grass and dry leaves as mulch.If irrigation is not available keep grass and dry leaves as mulch.Bacterial wiltPrevailing weather may conducive for blight in Tomato.Cloudy and humid weather is most favorable for the disease.To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.PotatoHarvesting stageIn large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.PotatoHarvesting stageIf the leaves and plant became dry it means plant ready for harvesting. Image of pen the furrow with the help of	Chilli	flowering	AIZAVAL	 record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant.
PotatoHarvesting stageFruit flyIn large gardens apply carbaryl 0.2 per cent or malathion.PotatoHarvesting stageIn large gardens and plant became dry it means plant ready for harvesting.	Tomato		SERCHH	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour
Potato Harvesting stage or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. Potato Harvesting stage If the leaves and plant became dry it means plant ready for harvesting.			A.F	 blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
Open the furrow with the help of	Potato		LAWNGTLAN	 or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation. If the leaves and plant became dry it means plant ready for harvesting.
			A DA	♣ Open the furrow with the help of 6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	2	\bigwedge	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	La C	 Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI Pig	All stages	LUNGLEI	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



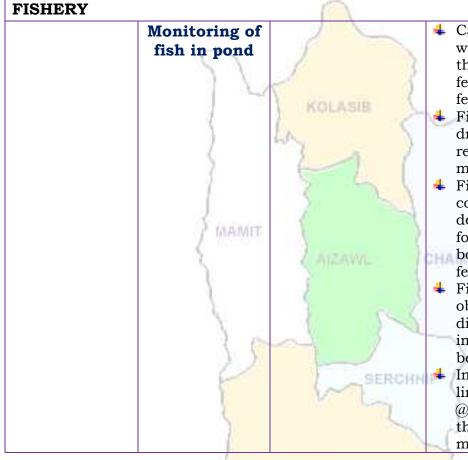
Cattle	All age group		4 In present weather conditions, special
	"Bo Browl		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	23	1 2	wounds followed by application of
		5 0	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
		0.	feed
)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	L marries	A second S	4 Separate sick animals.
	1	ARZAWL	4 The animal should be washed with
		6 N	lukewarm water added with little
	5	5.	potash (KMnO4) or neem leaves.
	1	1 1	4 Long hair near the
	0.0		udder/stomach/back legs should be
	140 80		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
	5	ward and a second secon	drugs to poultry.
			Proper ventilation of shed.
	36		+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	N.C.	NAME OF A DESCRIPTION	birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3		Provide broad-spectrum antihelminthic
	1	5	drugs under vet supervision and
		11 1	recommended doses.
			Vaccination as per the schedule with proper consultation with vet.
		M TON	> Day old chick: HVT Marek disease
			5
			vaccine, 4-7 days: F/Lasota, 14-18 days: Intermediate plus/IBD
		Company and the second second	vaccine, 35 days: F/Lasota, 6-7
		LAWNGTLAL	weeks: Chicken embryo adopted
		/ SAIHA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
	1	NO I	
		VIL C	8 P a g e



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





- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- FIGHT Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.



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)



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Saiha

Period: 07 March - 11 March, 2018

Bulletin No: - 776/2018/	Bulletin/Mizo
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Date of issue: 06th March, 2018

Parameters	07.03.2018	08.03.2018	09.03.2018	10.03.2018	11.03.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	30	30	30	31	31
Min Temp (°C)	13	13	13	14	14
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	85	81	75	76	70
Min RH (%)	25	20	23	19	15
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	E	E	E	Е	E
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	·
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , W	lesterly-W, Nort	h-westerly- N-W	
Status of Post Mon	soon- February	y 1-28, 2018 (Perc			arenthesis)
Aizawl- 5.40mm		lai- 3.60mm	Saiha- 0.00 m		<mark>b- 7.60mm</mark>
(20.78mm)		(13.99mm)	(18.29	· · · · · · · · · · · · · · · · · · ·	(33.14mm)
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		1ip-4.10mm
(19.52mm)		(23.30mm)	(17.83)		(14.39mm)
Weather summary	of the past	07 th March	- 11 th March	, 2018 chhui	nga sik leh
three day	s		sa dinhmun i		•
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):73- Minimum RH (%):43- Wind Direction: Sout Cloud cover: Clear sk Wind speed: 1-2 km/2 Rainfall: 00.0 mm	.7°C 88% 61% heasterly Sy	tura beisei a ni vawh lai ber i berin of 70-859 niin. Thli hi da zawngin a tleh hian khawthian	ang lo awm tur . Khua a lum la n 13-14ºC ni t % leh a hniam i rkar khatah 4 k rin a ni. A tla ng tak hmuh be c ly cumulative	i berin 30-31°C ura beisei a n lai berin 15-25° un vela chakin o angpuiin tun n isei a ni.	2 a ni ang a. A i. RH san lai % ni tur a rin chhaklam awi i nga chhung
NDVI for Mizoram		and the second s	Mildly dr districts of	y condition o Mizoram.	ccurs in all
		VIL	P		1 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			l
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 mountains 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
	The south t	5	taka pek hian a rah tla tur chelh nan
	3.0	Z AIZAWIL T	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
	100	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang bian natura a tam duh a Sail hama natura
	1 1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	10		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	Contraction of the second s	Nursery stage
	11	1000	+ 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 V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		((SAINA	ani. Ni 45 hay yalah a tiali thia a ahy ahy
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 8 4	
		E L	2 P a g e

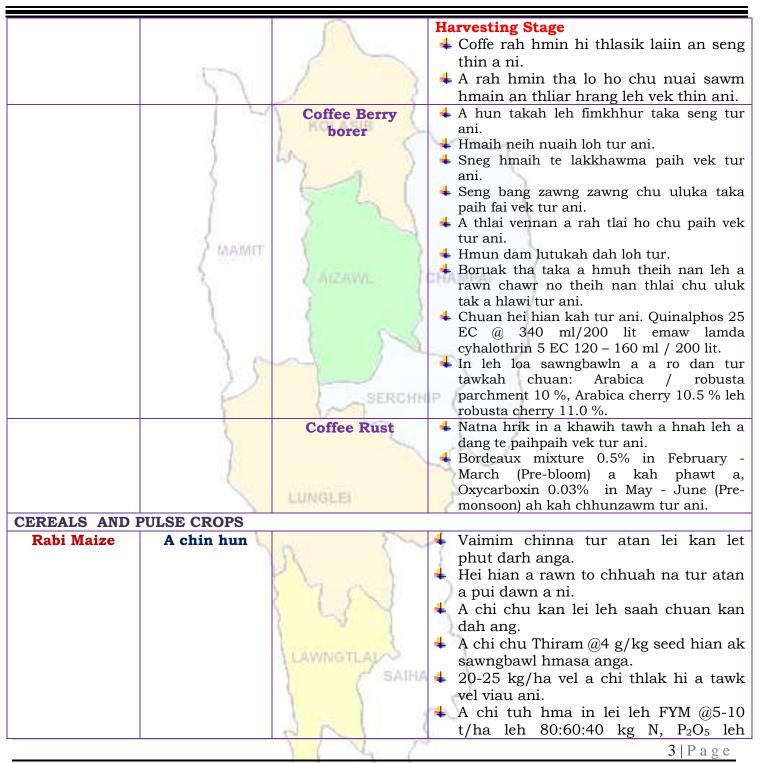


ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)







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



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



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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAINT	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 gr <mark>oup</mark>	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
		PN X	6 P a g e



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			 Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh tu ani. Barilhat Diagaga an pian atanga tanga san san san san san san san san san sa
	Preventive measures	0-3 rd week	Ranikhet Disease- an pian atanga 1-6 ah F1 vaccine pek tur ani a, chua a puitlingh chuan R ₂ B vaccine pek tu ani.
	1	5 6	4 B complex with antibodies
	1	4 th weeks	Coccidiosis- Amprolium o coccidiostat
	J MADVAL	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30 C	ATZAWAL I	CHAMPAL
(S	onitoring angha nkawl)		 tur ani a, ninuar atang a tur io insea thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a c buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh t dang in dil buatsaih tur ani. Sangha te natna lak atangin an him e tih enfiah fo a tha a, natna hmuh an chuan mithiam te rawn vat a, dilt enfiah vat tur ani. A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		22/1	
		VIV A	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 07 March - 11 March, 2018

Bulletin	No:	- 776/	2018/	Bulletin	English
					0

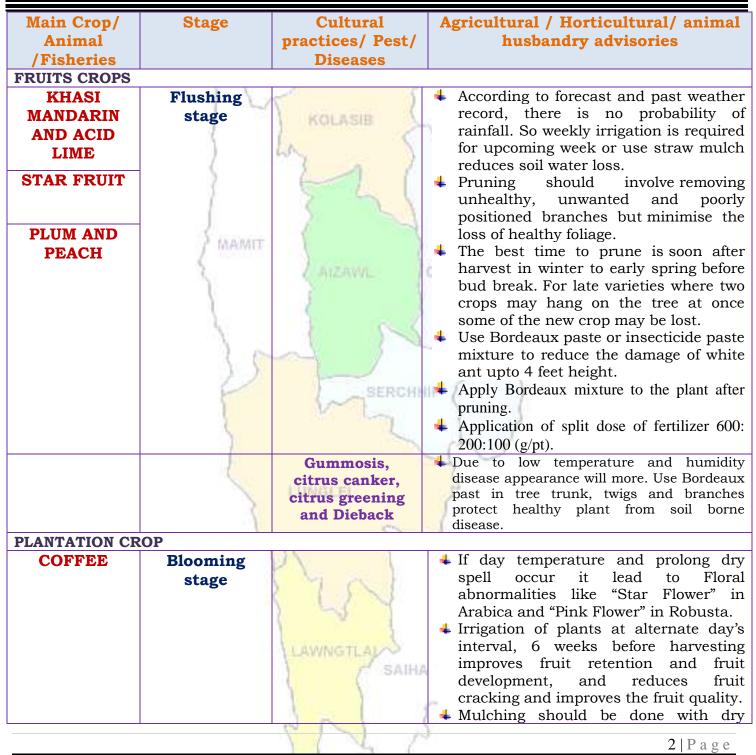
Date of issue: 06th March, 2018

		$\mathcal{L}_{\mathcal{K}}$	4.1				
Parameters	07.03.2018		09.03.2018	10.03.2018	11.03.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	31	31	31	31	31		
Min Temp (°C)	13	13	13	14	14		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Partially clear		
Max RH (%)	100	99	75	64	97		
Min RH (%)	30	22	24	23	17		
Wind Speed (KmpH)	4	3	4	4	3		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
Status of Post Mon		y 1-28, 2018 (Perce			renthesis)		
Aizawl- 5.40mm	-	lai- 3.60mm	Saiha- 0.00 m		o- 7.60mm		
(20.78mm)		(13.99mm)	(18.29r	· · · · · · · · · · · · · · · · · · ·	(33.14mm)		
Lawngtlai-4.00mm	Lungle	ei-4.30mm	Mamit-8.10m		ip-4.10mm		
(19.52mm)		(23.30mm)	(17.83n		(14.39mm)		
Weather summary	-	Weather for		om 07 th March,	2018 To		
three day	s		11 th March	, 2018.			
Maximum Tem. (°C):2	27-28°C	There are no chances of rainfall during the next 5 days.					
Minimum Tem. (°C):1	6-18°C	The maximum and minimum temperatures for the next 5					
Maximum RH (%):77-	94%	days may range for 31°C and 13-14°C. Maximum relative					
Minimum RH (%):44-		humidity is expected in the range of 64-100% and minimum may from 17-30%. Wind direction would be					
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·						
Cloud cover: Clear sk	• ·	0					
Wind speed: 1-2 km/	hr	easterly with the wind speed of 3-4 km per hour. Clear sky will prevail during the next five days.					
		wiii pievan dufii	ig the next live	uays.			
Rainfall: 00.0 mm							
		νεεκι	y cumulative i	rainfall: 00.0 1	nm		
		North Fact Region					
NDVI for Mizoram		North East Neglon 24 fas	5 5	condition oc	curs in all		
		A 13	districts of	Mizoram.			
		- Differ	-				
			-				
		GUT .	- t				
		Antiplication in todays part and it has not	a farth				
		ngin (
		6 1	13		1 D ~ ~ ~		
					1 Page		



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ICAR			
	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Strawberry	Harvesting stage	LUNGLEI	 Possibility of rain will be very less. So provide water every alternate day. Harvest all mature fruits or partially matured fruit. Periodical harvest must be done once in a week Conserve sucker with periodical irrigation.
CEREALS AND F Maize (Jhum)	Land preparation	LAWNGTLAL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
		C N S	3 Page



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FF () + 4 4		PR	
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Greengram	stage		cent of the pods turn brown and during
and			morning hours to avoid shattering.
blackgram	8 1	1 5	4 As the plants are intertwined, harvest
		5	the crop by rolling the plants in small patches.
		KOLASIE	Sundry properly to avoid pulse beetle
	1	6	attack.
)	6A)	Keep dry neem leaves to avoid pulse
	5	1 1	beetle attack.
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Soybean	stage	Horo things	cent of the pods turn brown and during
cultivation in	Stage		morning hours to avoid shattering.
Jhum	MAMIT		4 As the plants are intertwined, harvest
Jnum	C manner	A COMPANY AND A	the crop by rolling the plants in small
	5	(AIZAWIL)	patches.
	1	5 1	4 Sundry properly to avoid pulse beetle
	5.5	Sec. and	attack.
	1	1 55	4 Keep dry neem leaves to avoid pulse
	10	~ \ \ ~	beetle attack.
Zero tillage	Harvesting	Zero tillage	+ Harvest the crop when about 80 per
Toria	stage	SERCHN	cent of the siliqua turn white and
	1	V	during morning hours to avoid
	5		shattering.
			4 As the plants are intertwined, harvest
	1		the crop by rolling the plants in small patches.
		1 (19)(2) =)	 Sundry properly to avoid fungus attack.
VEGETABLE CRO)P	LUNGERI	+ Sundry property to avoid fungus attack.
Ginger and	Harvesting	2944 C	4 Turmeric and ginger is harvested when
turmeric	stage	n ?~~	leaves start yellowing and ultimately
		1 16	the stem dries down.
			4 The plants are-cut close to the ground.
		2 1 5 53	4 The crop is irrigated lightly for easy
		1 -5 7	digging.
			Harvesting consists of digging of
		LAWNGTLAL	underground clumps of rhizomes
		- SAIHA	with pick axe or digging fork.
			Fingers are separated from mother
			rhizomes.
		a R l	Wash clumps of rhizomes with water
			4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Cole crop	Harvesting stage	KOLASIB	 and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for proper drying. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature cards. Don't spray any kind of pesticide to the crop which creates more health hazard.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require. Low temperature and high humidity
French bean	Harvesting stage	LUNGLEI	 influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water. Harvest the crop when about 80 per cent of the pods turn brown and during morning hours to avoid shattering.
Capsicum	Flowering to fruiting stage	Poly house	 Keep dry neem leaves to avoid pulse beetle attack. Keep 25% of seed lot for next year. Intercultural operations should be done regularly to keep the crop free from
	muning stage	LAWNGTLAN	 weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage		According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
		1 4 6	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	KOLASIB	 required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rabi season.
Chilli	Vegetative to flowering stage	AIZAVAL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
Tomato	Harvesting stage	SERCHH	Light irrigation on every alternate day
		Bacterial wilt	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease. To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water. In large gardens apply carbaryl 0.2 per cent
Potato	Harvesting stage		or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit
			= $ 10000 TOO TOO TOTOTO TOTO TOO DOLD OF$



ICAR RESEARCH COMPLEX FOR NEH REGION



	2	\sum	 spade, harvest all mature tubers. Discard all mother tubers from harvested potato tubers. Keep 7 -10 days for drying or reduce the moisture level in shed dry. Keep 25% seed for next season sowing.
Cowpea	Sowing stage	LASIS (Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and light irrigation in nursery bed. Provide irrigation in transplanted okra field.	 Plough the field with the help of spade. Sow 2 seed 45 X 45 cm spacing. Before sowing seed provide one or two irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBE Pig	All stages	Porcine Reproductive Respiratory	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Syndrome (PRRS).	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



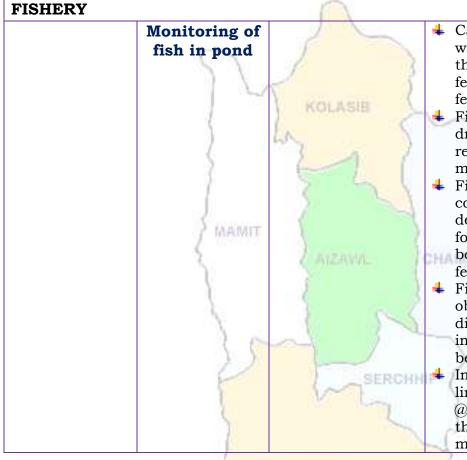
Cattle	All age group		4 In present weather conditions, special
	"8° 8-•P		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	(0.	feed
)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
		C A A	injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	0.2550 3		 Separate sick animals.
	3.	ARZAWL J	4 The animal should be washed with
		6	lukewarm water added with little
		5	potash (KMnO4) or neem leaves.
	S	1 5	Long hair near the
	0.0	A STA	udder/stomach/back legs should be
	AC ST		teamed short.
Poultry	All age group	SERCHN	+ Provide preventive dose of anti-coccidial
		(~)	drugs to poultry.
	8		Proper ventilation of shed.
	1	1	+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	3	the second s	 Provide broad-spectrum antihelminthic
	1.1	555	drugs under vet supervision and
		γ (\sim	recommended doses.
			+ Vaccination as per the schedule with
		1 7 25-1	proper consultation with vet.
			> Day old chick: HVT Marek disease
		2 22 1	vaccine, 4-7 days: F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAU	vaccine, 35 days: F/Lasota, 6-7
		- SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		221	Remove wet litter.
		V V M	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)





- 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 avoid fungal growth that releases aflatoxin which could lead to mortality of fish.
- Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom, applying lime, manure, fertilizers etc.
- Fish needs to be monitored regularly to observe any sign of diseases and if disease is observed, consult expert immediately and water sample needs to be analyzed.
- Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality.



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)



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LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 07 March - 11 March, 2018

Bulletin No: -	776/2018/	Bulletin /	Mizo
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Date of issue: 06th March, 2018

Parameters 07.03.2018 08.03.2018 09.03.2018 10.03.2018 11.03.2018 Rainfall (mm) 0 0 0 0 0 0 0 0 Max Temp (°C) 31 31 31 31 31 31 31 31 Min Temp (°C) 13 13 13 14 14 Clear sky Clear sky Clear sky Clear sky Partially clear Max RH (%) 100 99 75 64 97 Min RH (%) 30 222 24 23 17 Wind Speed (KmpH) 4 3 4 4 3 *Wind Direction E E E E E Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W. Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis) Aisawi- 5.40mm Kolasib- 7.60mm Aizawi- 5.40mm Lunglei-4.30mm Saiha- 0.00 mm Kolasib- 7.60mm Clear sky Uawing tie.4.00mm Lunglei-4.30mm <th< th=""><th>Demonsterne</th><th>07 00 0010</th><th>00.00.0010</th><th>00.00.0010</th><th>10.00.0010</th><th>11.00.0010</th></th<>	Demonsterne	07 00 0010	00.00.0010	00.00.0010	10.00.0010	11.00.0010		
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*Wind Direction E E E E E E E Northerly- N, North-Easterly- N, North-Easterly- S, South-IV-S, South-IV-S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. Status of Post Monsoon- February 1-28, 2018 (Percent of deviation from normal in parenthesis) Aizawl- 5.40mm Champhai- 3.60mm Saiha- 0.00 mm Kolasib- 7.60mm (20.78mm) (13.99mm) (18.29mm) (33.14mm) Lawngtlai-4.00mm Lunglei-4.30mm Mamit-8.10mm Serchhip-4.10mm (19.52mm) (23.30mm) (17.83mm) (14.39mm) Weather summary of the past three days Sa dinhmun tur tlangpui Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 31°C a ni ang a. A vawh lai ber in 13-14°C ni tura beisei a ni. RH san lai berin 64-100% leh a hniam lai berin 17-30% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni. Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Moderately wet mildly dry/mildly wet conditions	Min RH (%)	30	22	24	23	17		
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Minimum RH (%):44-61% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 1-2 km/hrHar ber fill to 11 to 1	• • •							
Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 1-2 km/hrDefine 0+-100% tent a finitian fail berni 17-50% in tur a finitian niin. Thli hi darkar khatah 3-4 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: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramModerately wet mildly dry/mildly wet conditions		610/						
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wind speed: 1-2 km/hr hian khawthiang tak hmuh beisei a ni. Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Noth task Region Image: State Stat		-	awi zawngin a tl	eh rin a ni. A tl	angpuiin tun	ni nga chhung		
Rainfall: 00.0 mm Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Moderately wet mildly dry/mildly wet conditions	Wind speed: 1-2 km/	nr						
Weekly cumulative rainfall: 00.0mm NDVI for Mizoram Moderately wet mildly dry/mildly wet conditions	D : 0.11 00 0			5				
NDVI for Mizoram North East Region 2% for 2014 Moderately wet mildly dry/mildly wet conditions	Rainfall: 00.0 mm		Weak	u oumulativo	rainfall: 00 ()		
conditions			WEEKI	.y cumululive	<i>iungun</i> . 00.0	/11111		
conditions	NIDIZI Com Mileono		North East Region 24 (a	Modenets1		1 mm / mm i1 all		
conditions	NDVI IOT MIZOTAM				wet milaly c	iry/mildly wet		
			33	conditions				
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Agriculture report to moderate over some of the parts North			Reflectives report to residential over some of the set	ts Narth				
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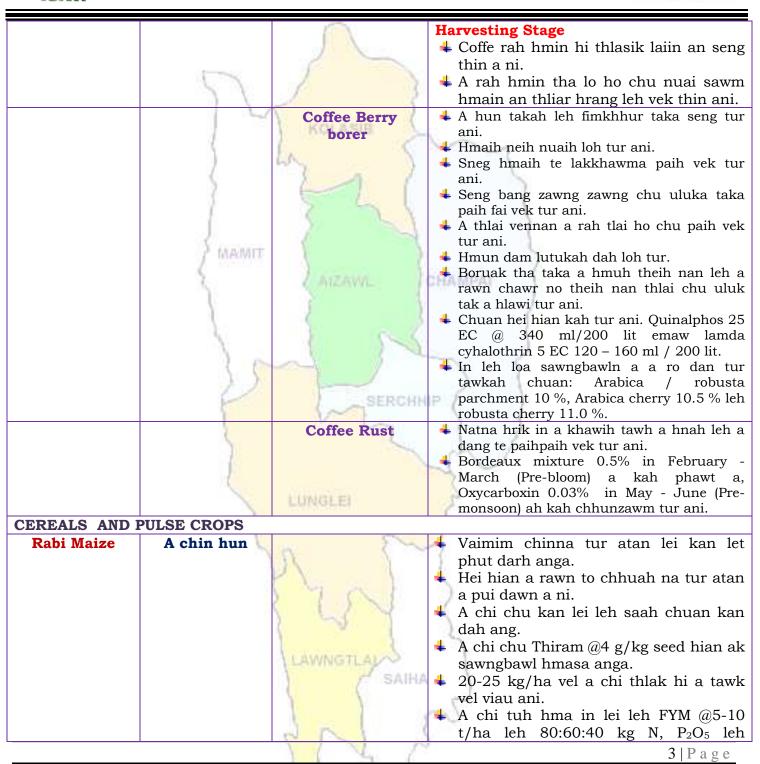


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS			1			
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.			
LIME)	LA.				
	(1 1	kar tin a tui pek thin tur ani.			
BANANA	1		4 Leia tha mamawh tawk a hmuh			
	1	2 2 1	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	1	5	taka pek hian a rah tla tur chelh nan			
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah			
PEACH			keh tur lakah t a veng thei ani.			
FEACH		O a start a site of the second	4 Temperture hniam lutuk leh hnawng vang			
		Gummosis, citrus	hian natna a a tam duh a . Soil bome natna			
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh			
	3.0	greening and Dieback	a trangah te hnawih tur ani.			
	12	Fruit fly	Huan zau takah chuan a par tan tirh leh a			
		FILITE ILYERCHIN	rah tan tirin chawlhkar hnih chhung chu			
	5	N Lan	heng te hian enkawl tur ani: carbaryl 0.2			
	5		percent emaw malathion 0.15 percent			
	1		suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages		Nursery stage			
	1	000	+ Thlai chi thlak hma in Azospirillum leh			
	1	γ (\sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun 			
			zawl/rualrem 1.5 - 2.5 cm a in hlatin			
		1 9 26-1	tlar mumal tak siam in chin tur ani.			
			+ Chuan a chi chu lei tlem te a chhilh a			
		1 -2 1	buhpawla khuh tur ani.			
			 Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur			
		- SAIHA	ani.			
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		VIL M	2 P a g e			



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



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Onion and capsicumNursery stagePoly houseawm thin a , hei hi natna tlanglawn ber ani.Onion and capsicumNursery stagePoly house4 Athan a that theih nan nikhat danah tur ani.Thlai hna lam chi lebr zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.4 Athan a that theih nan nikhat danah tui pek thin tur ani.Phytopthora blightPhytopthora blight4 Athan a that an an thiram 3g/kg sed A chi ven that nan thiram 10 lebr and bla the ani.French beanSowing stage4 Athan duna theih nan thiram 10-15 DAS a pek hi a tha he ani.Garrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.A than a that theih nan nikhat danah tur ani.4 Athan a that theih nan nikhat danah tur ani.A than a that theih nan nikhat danah tur ani.4 Athan a that theih nan nikhat danah tur ani.A than a that theih nan nikhat danah tur ani.<				
capsicumtui peintcapsicumtui pek thin tur ani.tui pek thin tur ani.Thlai buly awn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.Thlai chhina hmun (nursery) hi hnim a tu iliter 1 zelah pawlh a kah hi a tha hle ani.Phytopthora blightPhytopthora blightFrench beanSowing stageCarrot and radishSowing stage <t< th=""><th>Onion and</th><th></th><th>Poly house</th><th> ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. </th></t<>	Onion and		Poly house	 ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Thi pek nuah thlai bul vawn hnawn na tur siam tur ani.4 A than a that theih nan nikhat danah tui pek thin tur ani.Thi pek nuah thlai bul vawn hnawn na tur siam tur ani.4 Thia hna lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1	capsicum	}	AIZAWA	 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
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah tui pek thin tur ani.LipsA than a that theih nan nikhat danah 		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
 radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 	French bean	Sowing stage	LUNGLEI	 a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN X	6 P a g e



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			 Tui an in tur chhawpna tur th tha tak leh tui thianghlim tak ani. Chaw a hmuar/thing pek loh tu an chaw eitur thlak sak thut ani. 	pek tur r ani a, loh tur
	Preventive measures	0-3 rd week	Ranikhet Disease- an pian ata 1-6 ah F1 vaccine pek tur ani a a puitlingh chuan R ₂ B vaccine ani.	, chuan
	1	5 6	B complex with antibodies	
	1	4 th weeks	Coccidiosis- Amprolium coccidiostat	01
	J MARYN I	4-5 th Weeks	Calcium tonic fortified with B	12
FISHERY	30	ATZAVAL I	HAMPAI .	
(S	onitoring angha nkawl)		 Sangha te hi chaw a hmuar chauh pek thin tur ani. Sangha lo hmuar anih chuan pek hma a phoro phawt tur ani. Sangha chaw hi a hmuar lohn hmun ro leh uap lutuk lo ah o tur ani a, hmuar atang a tur lo thin, aflatoxin avang a sangha atangin sangha a him phah thin Dil sah kang veka sangha ma hian a kumleh a sangha khawin buatsaih a ti awlsam a, dil phoro, chinai phul, leitha hman dang in dil buatsaih tur ani. Sangha te natna lak atangin an tih enfiah fo a tha a, natna hmu chuan mithiam te rawn vat a enfiah vat tur ani. A ranglam a chinai @50kg/tuisen @1.5mg/l diltui a hma sangha natna avang a thi tangin a veng thei. 	chaw a in ni sa a turin dahthat inseam thi lak an thin an a di mawng leh tu him em th anih t, diltu ha leh n hian
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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