

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Aizawl

Bulletin No: - 765/2018/ Bulletin/English

Date of issue: 25th January, 2018

Period: 26 January – 30 January, 2018

	8 1	P I	3		
Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	26	27	27
Min Temp (°C)	10	10	10	11	11
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	26	27	30	30	25
Wind Speed (KmpH)	3	4	2	2	3
*Wind Direction	E	S-E	S-E	S-E	S-E
Souther	ly- <mark>S</mark> , South-V	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Post Mons					
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		o- 21.4mm
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather fore		n 26 th January	, 2018 To
three day			30 th Januar	· ·	
Maximum Tem. (°C):1 Minimum Tem. (°C):0 Maximum RH (%):79- Minimum RH (%):42- Wind Direction: south Cloud cover: Clear sk Wind speed: 1-2 km/ Rainfall: 00.0 mm	8-10°C 86% 56% heasterly y	There are no ch The maximum a days may rang relative humidit minimum may easterly to south hour. Clear sky v	nd minimum e for 26-27°C y is expected from 25-30%. easterly with the will prevail dur	temperatures fo C and 10-11°C in the range o Wind direction he wind speed of	or the next 5 C. Maximum of 100% and on would be of 2-4 km per e days.
NDVI for Mizoram		North East Region 29 June 1017	Mildly dry	condition oc	curs in all
		And the second s	districts of	Mizoram.	
		N/N	10		1 Page

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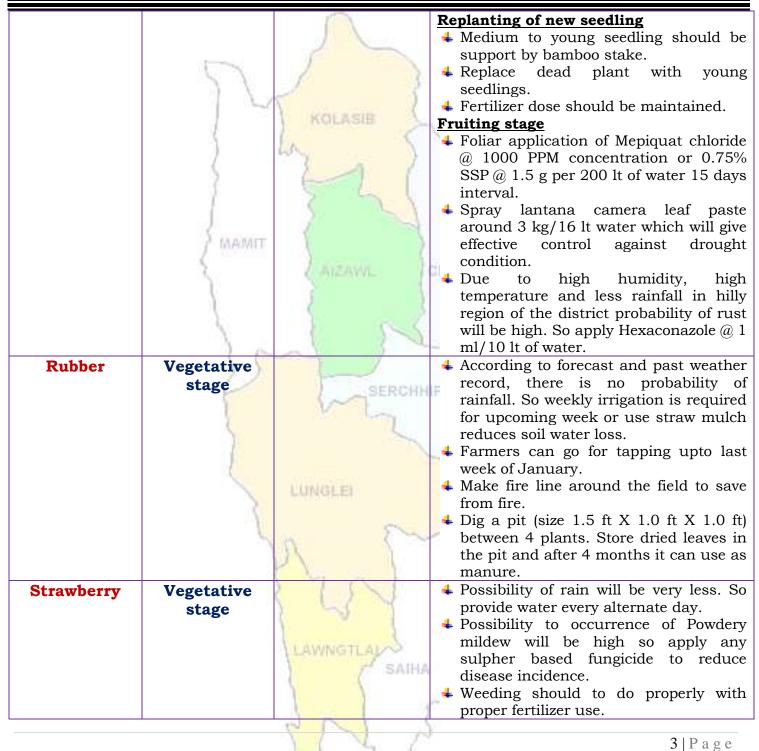


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Harvesting	2 5	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.
AND ACID	T	C	So weekly irrigation is required for
LIME)	LA.	upcoming week or use straw mulch
		1 1	reduces soil water loss.
BANANA		the second second	↓ First harvest can be done 5 to 6 years
	E E	() \	after planting.
			* Fruits are harvested when they attain
STAR FRUIT	MAMIT		full size, develop attractive colour from
	Z messives.		green to yellow with optimum sugar and
PLUM AND	1	AIZAWIL I	acid blend.
PEACH			 Fruits should be harvested preferably
I DACH			with clipper, shears or secateurs.
	S	1 64	Oranges should not be harvested in wet
	1	V SM	weather or during rains. 4 Green or fully ripe fruits can be stored
	100		in evaporative cool chamber at 8-10°C &
	12	SERON	
		SERCH	three weeks after post-harvest treatment
	5		with Bavistin (1000 ppm.).
			 Diseased and senile branches should be
		0	removed.
		Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent
		LUNGLEI	or malathion 0.15 per cent suspension
	3		containing sugar or jeggery at 10 g/l at
	1	550	fortnightly intervals at flowering and fruit
		Gummosis,	initiation. Due to low temperature and humidity
		citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne
		und Diobuon	disease.
PLANTATION CR			1
COFFEE	Fruiting stage	LAWNGTLAU	4 According to forecast and past weather
		SAIHA	
			rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch
		N N I	reduces soil water loss.
		Y Y Y	2 P a g e



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CEREALS AND P	ULSE CROPS		
Rabi Maize	Tassle formation stage	KOLASIB	 Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding should be carried out. Provide irrigation twice in a week or grow any cover crop in surface of the aveil
Zero tillage	Flowering	Zero tillage	 soil. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population. Possibility of rain will be very less. So
Greengram and blackgram	stage	AIZAWL	 provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Apply split dose of fertilizer for better growth. Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better growth.
VEGETABLE CRO)P		
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.
		Y N C	4 P a g e



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ſ		-	
			\blacksquare The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
			digging.
	1 1		4 Harvesting consists of digging of
	1 1	2 2	underground clumps of rhizomes
	1	2	with pick axe or digging fork.
		KOLASIB	Fingers are separated from mother
	(0	rhizomes.
)	an I	Wash clumps of rhizomes with water
	(1 1 1	and keep it for sundry.
	1	the second of the second se	
	1	2 5	Seed stock will be store from partially
		2	dry sample.
	Second and	1	\downarrow Cut the rhizome to small pieces for
	1 MAMIT	()	proper drying.
Early cole	Vegetative	AIZAWL 1	+ According to forecast and past weather
crop	stage	a summer of	record, there is no probability of
	5	5	rainfall. So weekly twice irrigation is
	5	Sec. 19	required for upcoming week or use
	1	1 15	straw mulch reduces soil water loss.
	0		4 Intercultural operations should be done
	105		regularly to keep the crop free from
	12		weeds and aeration of the root system.
	1	SERCHN	4 Remaining quantity of nitrogen is
	(N Com	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	↓ Intercultural operations should be
Onion	stage	i ory nouse	done regularly to keep the crop free
	stage		from weeds and aeration of the root
		A CONTRACTOR OF A	system.
		LUNGLEI	Remaining quantity of nitrogen is
	1		applied 30-40 days after transplanting.
			 Provide irrigation if water is require.
		R A	 Frovide infigation if watch is require. Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		1 7 M	(Apron)/ kg seed
			 Drenching 1% Bordeaux mixture or 2 g
		1 -2 1	captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAU	+ Possibility of rain will be less coming
	stage	- SAIHA	
	SLAZE		be done 2 days interval.
			4 Intercultural operations should be done
			regularly to keep the crop free from
		R S A	
			5 P a g e



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Capsicum	Transplant stage	Poly house KOLASIB	 weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage		 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant. Staking should be done.
Tomato	Transplant stage		 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss. Interculture operation should be donnear to the base of the plant. Fertilizer application in split dose or recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4
		C N	6 P a g e



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Potato	Vegetative	\wedge	 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to
Totato	stage		 Latituing up bround be done near to the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use
ANIMAL HUSBE	MAMIT	1 M	 straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
Pig	All stages	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.
Cattle	All age group	Respiratory Syndrome (PRRS).	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		6 N 3	
			7 P a g e



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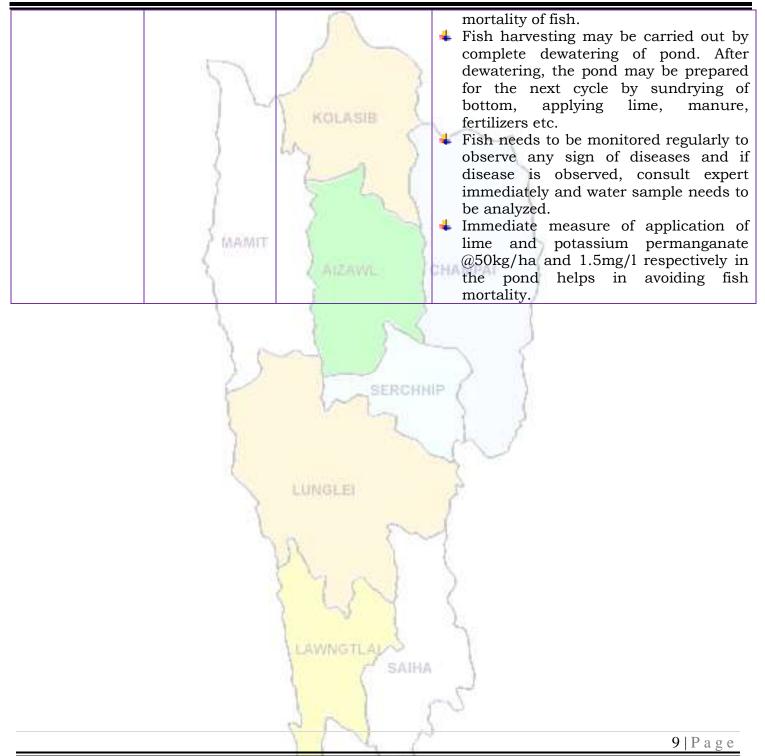


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/100
	Z	SERCHH	 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended deser
FISHERY	2		 vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond		 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
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District: Aizawl

Period: 26 January – 30 January, 2018 Bulletin No: - 765/2018/ Bulletin/Mizo Date of issue: 25th January, 2018

	S 1	P	4			
Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	26	27	27	
Min Temp (°C)	10	10	10	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	26	27	30	30	25	
Wind Speed (KmpH)	3	4	2	2	3	
*Wind Direction	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> ,		
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	esterly-W, North	-westerly- N-W.		
Status of Post Mons	soon- Decembe	er 1-31, 2017 (Perce	ent of deviation f	from normal in po	arenthesis)	
Aizawl- 18.1mm	Champh	<mark>ai-</mark> 12.00mm	Saiha- 13.9 m		o- 21.4mm	
(11.6mm)		(12.1mm)	(10.0n		(14.4mm)	
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary of	of the past	26 th January	- 30 th Janua	ary, 2018 ch	hunga sik	
three day	s	leh	sa dinhmun	tur tlangpu	i	
Maximum Tem. (°C):1	8-21ºC					
Minimum Tem. (°C):0		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo				
Maximum RH (%):79-		tura beisei a ni. Khua a lum lai berin 26-27°C a ni ang a. A				
Minimum RH (%):42-		vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 25-30% ni tur a rin niin.				
Wind Direction: south						
Cloud cover: Clear sk	• • • • • • • • • • • • • • • • • • •	Thli hi darkar k				
Wind speed: 1-2 km/l	·	zawngin a tleh		01	nga chhung	
		hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 00.0 mm						
		Weekl	y cumulative	rainfall: 00.0r	nm	
			-			
NDVI for Mizoram		1000 (X 10)	Mildly dry	condition oc	curs in all	
		North East Region 29 Aux 2117	districts of			
				111201 ann.		
			, maren			
		98° -	- Serie Manuel			
		Applications region to possiliave most of the parts interface & Traces and Maghelese Whenese mosteries region is noticed in				
		1754 rapie				
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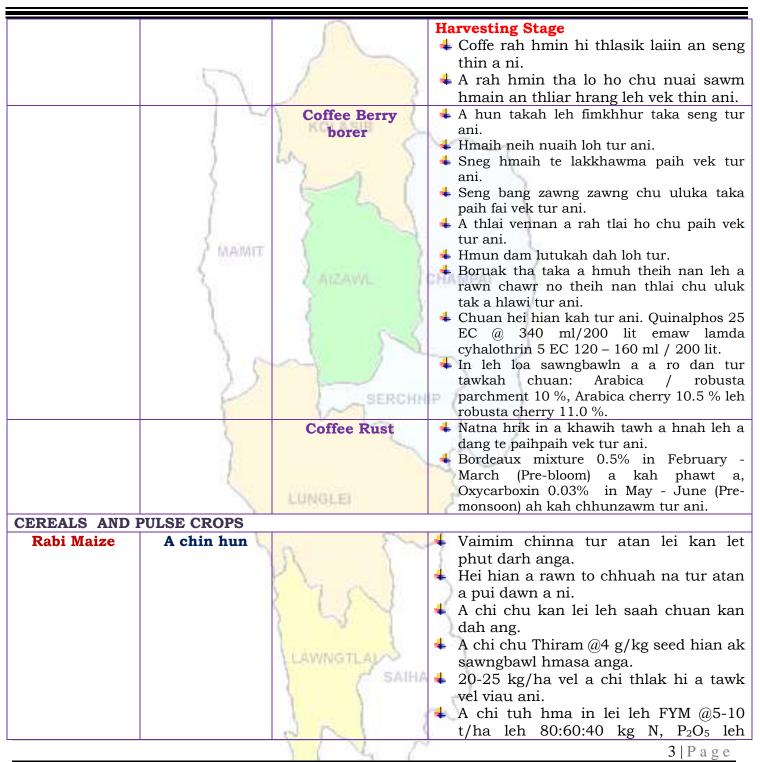


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		C C	velah dahkhawm tur ani.			
LIME)	LA N				
	(1 1	kar tin a tui pek thin tur ani.			
BANANA	1		🖊 Leia tha mamawh tawk a hmuh			
	1	2 2 1	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	MAINT		4 A seng hma kar 6 chhung chu tui tha			
	2	S	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		Cummosia eitmus	4 Temperture hniam lutuk leh hnawng vang			
		Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna			
	1	greening and	laka vennan Bordeaux past hi thing zar leh			
	100	Dieback	a trangah te hnawih tur ani.			
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a			
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu			
	5	N Long	heng te hian enkawl tur ani: carbaryl 0.2			
			percent emaw malathion 0.15 percent			
		~	suspension containing sugar or jeggery at			
DI ANGAGION OD	0.7		10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages		Nursery stage			
	1	000	+ 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			
		1 9 25-1	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			
		J SAIHA	ani.			
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		11 V	2 P a g e			



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ICAR			
	5	\sum	K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CR	Sowing stage	AIZAWL 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
		R 1 1 1	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.
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		 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)
		FI L C	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.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	\sum	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga ni
	measures	217	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	1	4 th weeks	Coccidiosis- Amprolium or
	2	TWEERS	coccidiostat
	/ MPONT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	A ATZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		201	1967-99 1
		1146	7 P a g e

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ICAR RESEARCH COMPLEX FOR NEH REGION

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



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LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Period: 26 January – 30 January, 2018

Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	26	27	27	
Min Temp (°C)	10	10	10	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	15	17	28	24	23	
Wind Speed (KmpH)	3	4	3	3	3	
*Wind Direction	E	S-E	S-E	S-E	E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
Status of Post Mon						
Aizawl- 18.1mm	Champha	ui- 12.00mm	Saiha- 13.9 m		o- 21.4mm	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary	-	Weather fore		n 26 th January	, 2018 To	
three day			30 th Januar			
Maximum Tem. (°C):1		There are no ch				
Minimum Tem. (°C): (The maximum and minimum temperatures for the next 5				
Maximum RH (%):75-		days may range	for 27°C and	10-11°C. Maxim	mum relative	
Minimum RH (%):42-		humidity is expe	ected in the ra	nge of 100% a:	nd minimum	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from $15-28$	3%. Wind dire	ection would be	e easterly to	
Cloud cover: Clear sk	y	southeasterly with the wind speed of 3-4 km per hour.				
Wind speed: 1-2 km/	nr	Clear sky will pro		–	-	
Rainfall: 00.0 mm		Weekl	u cumulative i	rainfall: 00.0 1	mm	
		meent	y cumulative i	ungun ooro i		
NDVI for Mizoram		An and a state of the state of	Mildly day	condition oc	curs in all	
MDVI IOI MIZOIAIII		North East Region 29 June 1997	districts of		curs in all	
		~~ == == == == == == == == == == == = = =	ak jaar	mizoram.		
		April there expect is good some fixed of the parts from their de Travers and Weighands whereas monitories regime is noticed to	ani ant			
		of the region				
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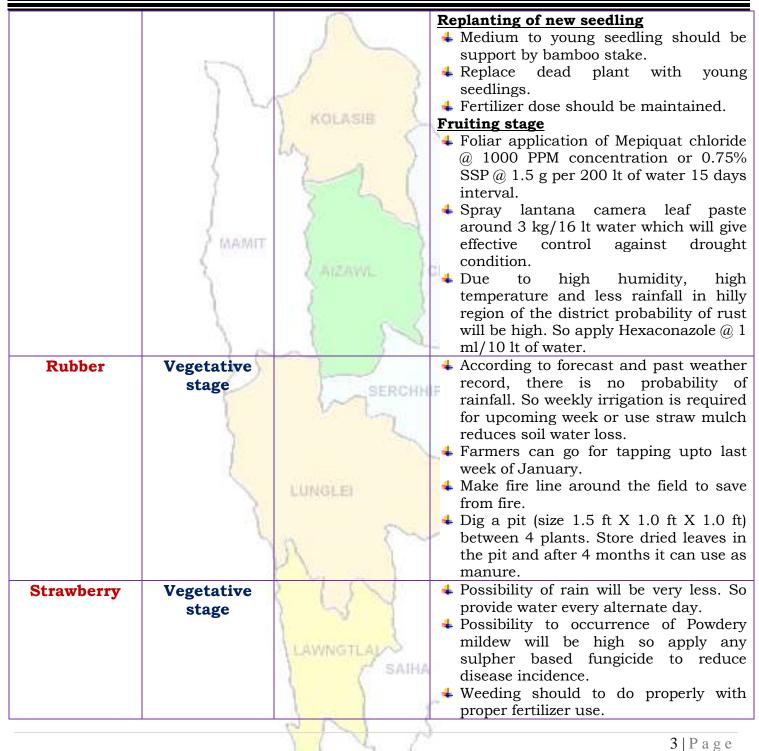


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS			·			
KHASI MANDARIN	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall.			
AND ACID LIME		Ly S	So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.			
BANANA	1	52(First harvest can be done 5 to 6 years after planting. Fruits are harvested when they attain 			
STAR FRUIT	AMAMIT		full size, develop attractive colour from green to yellow with optimum sugar and acid blend.			
PLUM AND PEACH	Ì	AIZAWL	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet 			
	35		 weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of 			
	5		 4 Diseased and senile branches should be removed. 			
	2	Fruit fly LUNGLEI	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.			
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.			
PLANTATION CR	PLANTATION CROP					
COFFEE	Fruiting stage	LAWNGTLAL	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.			
		812 A	2 P a g e			



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CEREALS AND P	CEREALS AND PULSE CROPS				
Rabi Maize	Tassle formation stage	1	 Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weading about the corrigid out 		
		KOLASIB	 Weeding should be carried out. Provide irrigation twice in a week or grow any cover crop in surface of the soil. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population. 		
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition. 		
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition. 		
Zero tillage Toria	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Apply split dose of fertilizer for better growth. Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better growth. 		
VEGETABLE CRO)P				
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.		
		YN C	4 P a g e		



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	$\sum_{i=1}^{n}$	KOLASIB	 The plants are-cut close to the ground. The crop is irrigated lightly for easy digging. Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork. Fingers are separated from mother rhizomes. Wash clumps of rhizomes with water and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for
	1 MAMIT		proper drying.
Early cole crop	Vegetative 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. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
	stage		 done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
		(rs)	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative stage	LAWNGTLAU	5
	U	121	 be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from



ICAR RESEARCH COMPLEX FOR NEH REGION



		200	
Capsicum	Transplant stage	Poly house KOLASIB	 weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
)	60 J	 Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant. Staking should be done.
Tomato	Transplant stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		201	inclaidayi tg
			6 P a g e



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Potato	Vegetative	\wedge	 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to
Totato	stage		 the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
ANIMAL HUSBE	NDARY	54	 required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
Pig	All stages	SERCHN	 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
	3	Porcine Reproductive Respiratory Syndrome (PRRS).	available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		001	
		1 4	7 P a g e



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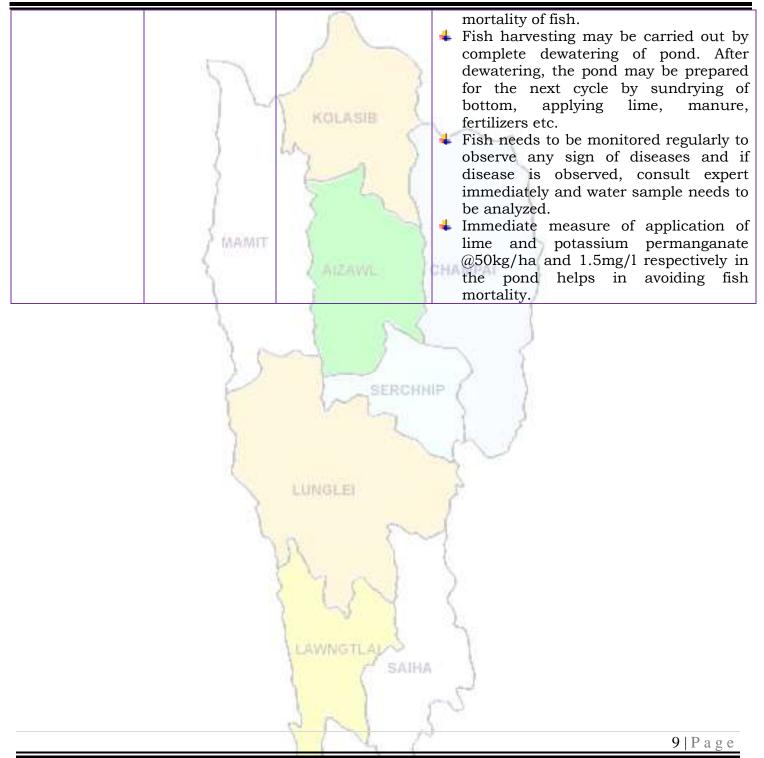


	2	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	LUNGLEI	 Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: ¬ F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY		Charles V	
	Monitoring of fish in pond		 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
	·	612 1	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)



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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: Champhai

Period: 26 January - 30 January, 2018

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1

Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	27	27	26	27	27		
Min Temp (°C)	10	10	10	11	11		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	15	17	28	24	23		
Wind Speed (KmpH)	3	4	3	3	3		
*Wind Direction	E	S-E	S-E	S-E	Ē		
	rlv- N. North-	Easterly- N-E, East	-	-			
		Vesterly- <mark>S-W</mark> , We	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
Status of Post Mons							
Aizawl- 18.1mm	Champha	ui- 12.00mm	Saiha- 13.9 m	m Kolasil	o- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m	ım)	(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m	m Serchh	ip-17.7mm		
(07.1mm)	_	(08.7mm)	(09.6m	. m)	(12.9mm)		
Weather summary	of the past	26 th January	- 30 th Janua	ary, 2018 ch	hunga sik		
three day	s	26 th January – 30 th January, 2018 chhunga sik leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1	0 220C						
		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C): 08-09°C Maximum RH (%):75-81%		tura beisei a ni. Khua a lum lai berin 27°C a ni ang a. A					
Minimum RH (%):42-56%		vawh lai ber in $10-11^{\circ}$ C ni tura beisei a ni. RH san lai					
Wind Direction: Sout	hoostorl.	berin of 100% leh a hniam lai berin 15-28% ni tur a rin					
Cloud cover: Clear sk		niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam					
Wind speed: 1-2 km/	hr	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
mina speca. I = min,		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 00.0 mm							
		Weekl	y cumulative	<mark>rainfall:</mark> 00.0r	nm		
NDVI for Mizoram		020200000	Mildly drv	condition oc	curs in all		
		North East Region 21.June 21	districts of				
			tana adi 2 a Katarizani				
			+ I				
		Agriculture signed and start and of disperse barrier	r. Aner-				
		Troom and Maghalays whereas moderate vigeur is notice of the region					
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ICAR RESEARCH COMPLEX FOR NEH REGION

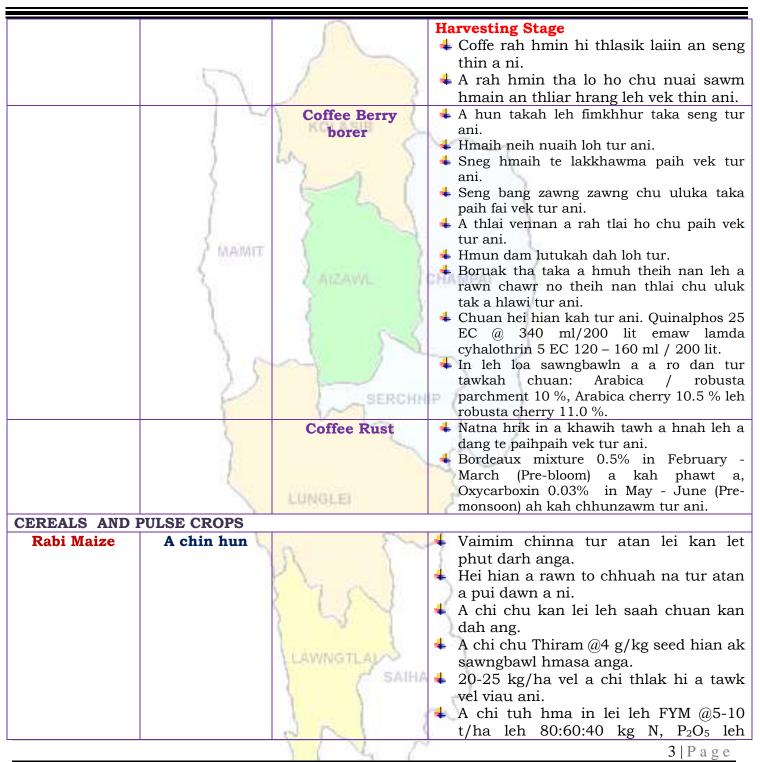


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal	
Animal		practices/ Pest/	husbandry advisories	
/Fisheries		Diseases		
FRUITS CROPS				
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur	
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul	
AND ACID		C C	velah dahkhawm tur ani.	
LIME)	LA N		
	(1 1	kar tin a tui pek thin tur ani.	
BANANA	1		🖊 Leia tha mamawh tawk a hmuh	
	1	2 2 1	theihna turin a hmunhma a hnim awm	
			te thlawhfai thin tur ani.	
STAR FRUIT	MAINT		4 A seng hma kar 6 chhung chu tui tha	
	2	S	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		Cummosia eitmus	4 Temperture hniam lutuk leh hnawng vang	
		Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna	
	1	greening and	laka vennan Bordeaux past hi thing zar leh	
	100	Dieback	a trangah te hnawih tur ani.	
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a	
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu	
	5	No. Com	heng te hian enkawl tur ani: carbaryl 0.2	
			percent emaw malathion 0.15 percent	
		~	suspension containing sugar or jeggery at	
DI ANGAGION OD	0.7		10 g/l.	
PLANTATION CR		LUNGLEI		
COFFEE	All stages		Nursery stage	
	1	000	+ 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	
		1 9 25-1	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	
		J SAIHA	ani.	
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu	
			bag ah an sawn chhuak leh thin ani.	
2 1 1 5				
2 P a g e				



ICAR RESEARCH COMPLEX FOR NEH REGION







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



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



5	$\langle \wedge \rangle$	 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		Ranikhet Disease- an pian atanga ni
measures		 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	4 th weeks	Coccidiosis- Amprolium or
	TWEERS	coccidiostat
/ MAd	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	ANZAWAL	CHAMPAI
Monitoring (Sangha enkawl)		 tur ani a, ninuar atang a tur io niseani thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
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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: Kolasib

Period: 26 January - 30 January, 2018

Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	27	27	27	27	
Min Temp (°C)	12	12	12	11	12	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	34	33	32	34	27	
Wind Speed (KmpH)	3	4	2	3	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mons			•	_		
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		b- 21.4mm	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m	*	(12.9mm)	
Weather summary		Weather fore		n 26 th January	r, 2018 To	
three day		30 th January, 2018.				
Maximum Tem. (°C): Minimum Tem. (°C):1 Maximum RH (%):76- Minimum RH (%):51- Wind Direction: Easte Cloud cover: Clear sk Wind speed: 1-2 km/	1-14°C 82% 64% erly y	There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 26-27°C and 11-12°C. Maximum relative humidity is expected in the range of 100% and minimum may from 27-34%. Wind direction would be southeasterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.				
Rainfall: 00.0 mm		Weekl	y cumulative i	r <mark>ainfall:</mark> 00.0 1	mm	
NDVI for Mizoram		Terth Lest Region (1) have 107	districts of	condition oc Mizoram.	curs in all	
		112	12		1 Page	



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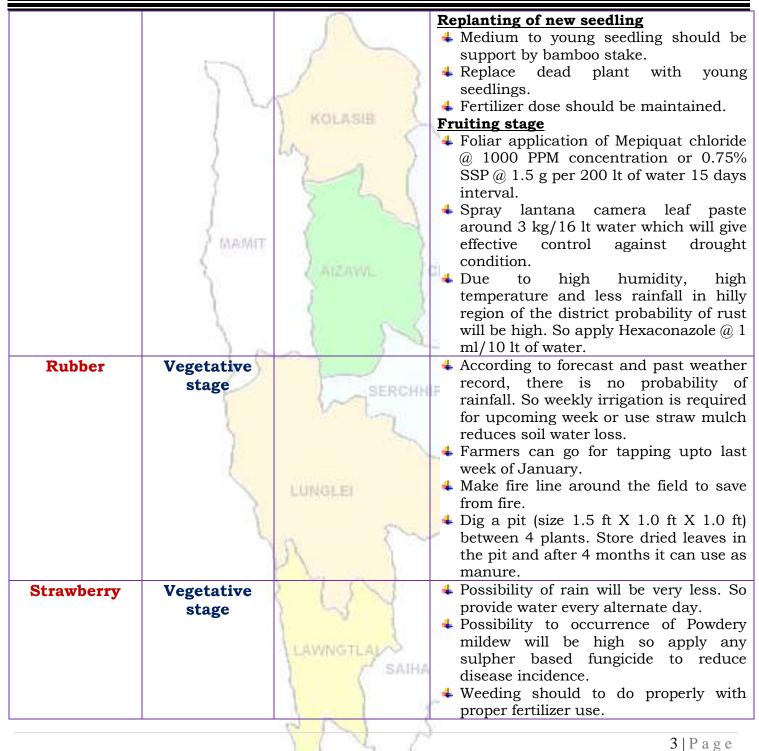


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN	Harvesting stage	KOLASIB	4 According to forecast and past weather record, there is no probability of rainfall.
AND ACID LIME		hy S	So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	7	52(First harvest can be done 5 to 6 years after planting.
STAR FRUIT	AMAMIT		Fruits are harvested when they attain full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	2	AIZAWL	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet
	25	SERCH	 weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of
	}	m	 three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	~		↓ 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.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne diagage
PLANTATION CR			disease.
COFFEE		LAWNETT ALSO	4 According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	v i
		8 1 1	
			2 P a g e



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CEREALS AND P	ULSE CROPS		
Rabi Maize	Tassle formation stage	KOLASIB	 Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding should be carried out. Provide irrigation twice in a week or grow any cover crop in surface of the
Zoro tillogo	Flowering	Zana tillaga	 soil. Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population. Possibility of rain will be very less. So
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	 provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition.
Zero tillage Toria	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Apply split dose of fertilizer for better growth. Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better growth.
VEGETABLE CRO)P		
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.
		SIZ C	4 P a g e



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		1	
			4 The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
	1000 C	5	digging.
		1	4 Harvesting consists of digging of
	1	1 3	underground clumps of rhizomes
	1 had	S	with pick axe or digging fork.
		KOLASIB	Fingers are separated from mother
	5	6.	rhizomes.
)	60 y	4 Wash clumps of rhizomes with water
	S	2 0	and keep it for sundry.
	5		↓ Seed stock will be store from partially
	1	C A	dry sample.
			4 Cut the rhizome to small pieces for
	MAMIT	1	proper drying.
Early cole	Vegetative		+ According to forecast and past weather
crop	stage	A AIZAWIL	record, there is no probability of
crop	Stage		rainfall. So weekly twice irrigation is
		< S	required for upcoming week or use
		5 64	straw mulch reduces soil water loss.
			4 Intercultural operations should be done
	1		regularly to keep the crop free from
	12		weeds and aeration of the root system.
	1	SERCHN	+ Remaining quantity of nitrogen is
	1	No Long	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
O mon	stage	Tory nouse	done regularly to keep the crop free
	Stage		from weeds and aeration of the root
		LUNGLEI	system.
	2	PENALS STREET	4 Remaining quantity of nitrogen is
	1		applied 30-40 days after transplanting.
	5	n 2~	Provide irrigation if water is require.
		31. 1	↓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		1 55 7	+ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vogototino	LIAWNETT ALSO	
r rench bean	Vegetative	SAIHA	Possibility of rain will be less coming five down So alternate irrigation should
	stage	(SAINA	five days. So alternate irrigation should be done 2 days interval.
			 Intercultural operations should be done
			regularly to keep the crop free from
		P A A	
			5 P a g e



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Capsicum	Transplant stage	Poly house KOLASIB	 weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage		 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant. Staking should be done.
Tomato	Transplant stage		 According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss. Interculture operation should be donn near to the base of the plant. Fertilizer application in split dose or recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4
		6 1 1	<u>N</u>



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Potato	Vegetative	\bigwedge	 (Apron) / kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride / lt of water at 10-15 DAS are effective. Earthing up should be done near to
Fotato	stage	5	the plant for better growth of tubers
		KOLASIB	and avoid greening of tuber.
	AMAMIT	man and	 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. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBEI	NDARY	· · · · ·	
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).	{
Cattle	All age group	LAWNGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		8 N 2	710
		4 6	7 P a g e



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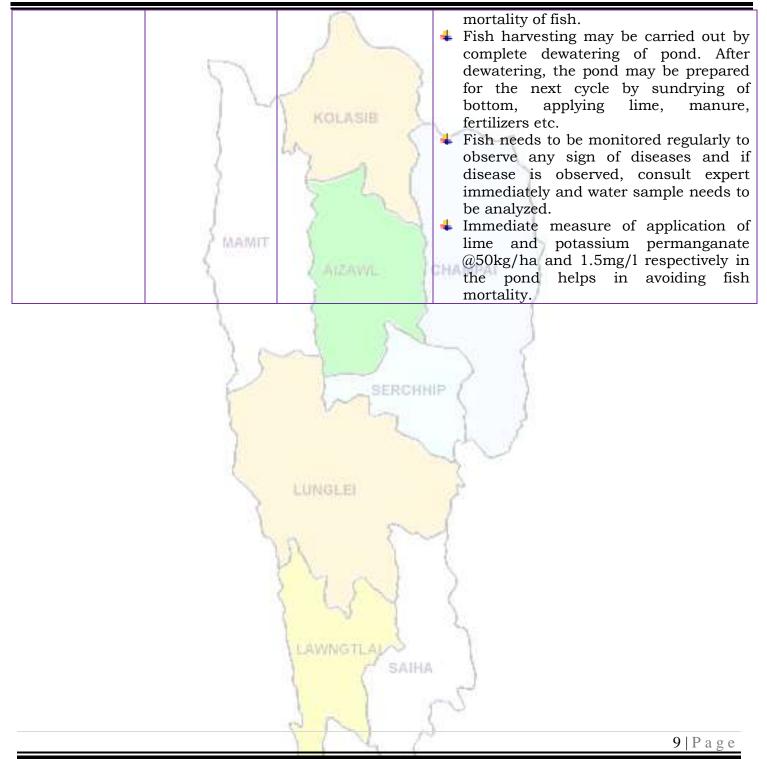


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/100
	P	SERCHH	 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended deser
FISHERY	3		 vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond		 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
		NN 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)



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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,





District: Kolasib

Period: 26 January – 30 January, 2018

Bulletin No: - 765/2018/ Bulletin/Mizo	Bulletin	No: -	765	/2018/	Bulletin	/Mizo
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	27	27	27	27		
Min Temp (°C)	12	12	12	11	12		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	34	33	32	34	27		
Wind Speed (KmpH)	3	4	2	3	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
		Easterly- <mark>N-E</mark> , Eas					
		Vesterly- <mark>S-W</mark> , We					
Status of Post Mon							
Aizawl- 18.1mm	Champha	i - 12.00mm	Saiha- 13.9 m		- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m	•	(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m	· · · · · · · · · · · · · · · · · · ·	(12.9mm)		
Weather summary	-	26 th January	– 30 th Janua	a ry, 2018 ch i	hunga sik		
three day	s	leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):	24-25ºC	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 26-27ºC a ni ang a. A					
Maximum RH (%):76-		vawh lai ber in 11-12°C ni tura beisei a ni. RH san lai					
Minimum RH (%):51-	C 40/	berin 100% leh a hniam lai berin 27-34% ni tur a rin niin.					
Wind Direction: Easte	o1	Thli hi darkar khatah 2-4 km vela chakin chhaklam awi					
Cloud cover: Clear sk	27						
Wind speed: 1-2 km/	nr	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.					
		man knawtmang	g tak ninun bei	sei a m.			
Rainfall: 00.0 mm							
		ωεεκι	y cumulative	rainfall: 00.0r	nm		
NDVI for Mizoram		North East Region 29 Auro 2017	5 5	condition oc	curs in all		
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	districts of	Mizoram.			
			need Redener				
		Applications against possiliane most at the party interface with					
		Approximation report to poor lower tool of the perturbative as theore and integrative whether incidents report is noticed in shifter report.	The second s				
		YIN	12		1   P a g e		



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

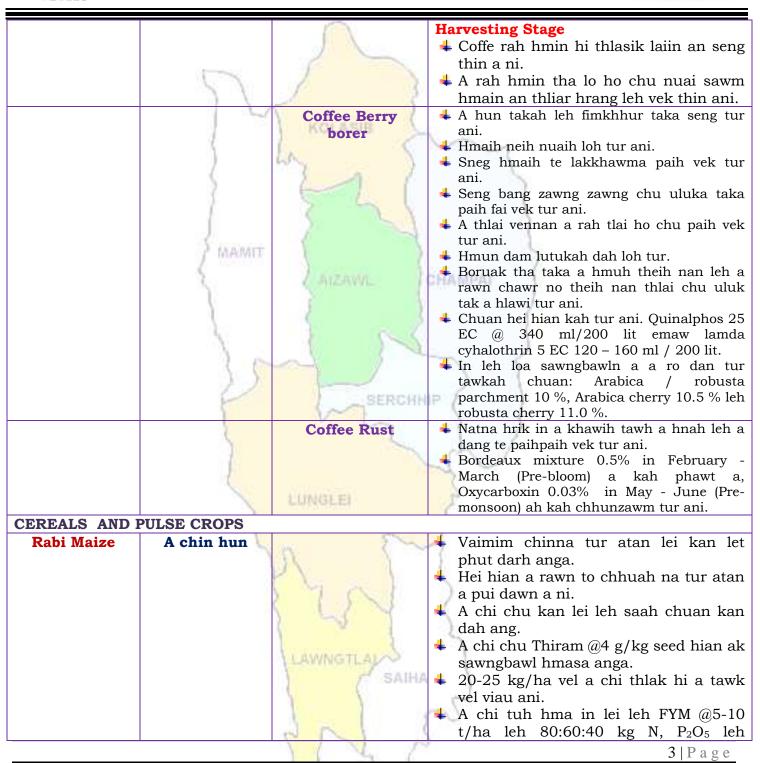


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID >	velah dahkhawm tur ani.
LIME	)	LA N	4 Thlai naupang deuah chuan chawlh
	(	3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1 meaning	5 (	taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL I	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
PEACH		0	Towns and the local state in the second second
		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	<ul> <li>Huan zau takah chuan a par tan tirh leh a</li> </ul>
		FILLE INFERCIAN	rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	0	+ Thlai chi thlak hma in Azospirillum leh
		n (~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		M Red	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.
			4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 1	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N S	
		11 L	2   P a g e



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



	2	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga :
	measures	En S	1-6 ah F1 vaccine pek tur ani a, chua
	1	~~ ~ )	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
		445 1	B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium
	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)		<ul> <li>tur an a, ninuar atang a tur to nisea, thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a ci buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him et tih enfiah fo a tha a, natna hmuh and chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha let tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
		PN 2	
		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: 26 January – 30 January, 2018

Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	27	28	28
Min Temp (°C)	11	12	12	11	11
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	95	95	96	94	87
Min RH (%)	32	28	30	32	26
Wind Speed (KmpH)	3	4	2	2	4
*Wind Direction	E	E	N-E	N-E	N-E
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
Status of Post Mons					
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		<b>b- 21.4mm</b>
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)
Weather summary of		Weather fore		n 26 th January	r, 2018 To
three day			30 th Januar		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):84- Minimum RH (%):38-4 Wind Direction: Easter Cloud cover: Clear sk Wind speed: 1-2 km/1 Rainfall: 00.0 mm	1-14°C 89% 49% erly y	There are no ch The maximum a days may range humidity is expe may from 28-4 northeasterly w Clear sky will pr	and minimum for 24-25°C an ected in the ran 2%. Wind dire ith the wind s evail during the	temperatures for d 8-10°C. Maxinge of 94-98% a fection would b speed of 3-4 k e next five days	or the next 5 mum relative nd minimum e easterly to m per hour.
		Weekl		rainfall: 00.0 1	
NDVI for Mizoram		Perfit Lest Region 10 June 197 10 June 297 10 June 297	districts of	[,] condition oc Mizoram.	ccurs in all
		N/N	P		1   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

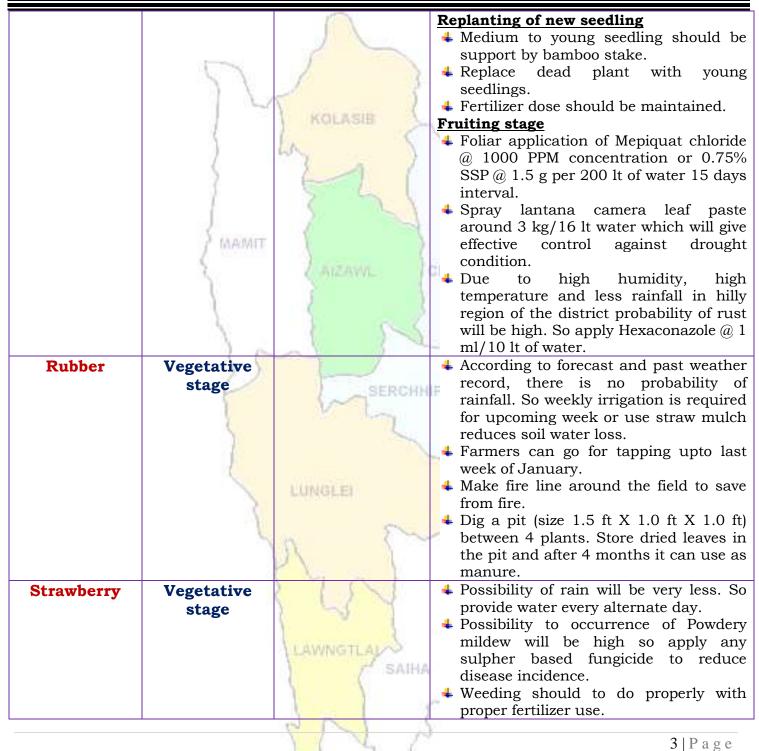


	_					
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS	·	•	·			
KHASI	Harvesting	2 5	<b>4</b> According to forecast and past weather			
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.			
AND ACID		Contraction 2	So weekly irrigation is required for			
LIME	)	LA N	upcoming week or use straw mulch			
		3 1 1	reduces soil water loss.			
BANANA	2		<b>4</b> First harvest can be done 5 to 6 years			
	1	2 2 1	after planting.			
		2	✤ Fruits are harvested when they attain			
STAR FRUIT	AMAMIT		full size, develop attractive colour from			
	1 merovi v	5	green to yellow with optimum sugar and			
	3.0	A ATZAWAL Y	acid blend.			
PLUM AND			Fruits should be harvested preferably			
PEACH		1	with clipper, shears or secateurs.			
	100	S Call	Oranges should not be harvested in wet			
	1		weather or during rains.			
		~ /	4 Green or fully ripe fruits can be stored			
	11		in evaporative cool chamber at 8-10°C &			
		SERCH				
	8	Vita	three weeks after post-harvest treatment			
	5	La	with Bavistin (1000 ppm.).			
			Diseased and senile branches should be			
		Darrid film	removed. In large gardens apply carbaryl 0.2 per cent			
		Fruit fly	or malathion 0.15 per cent suspension			
	2	Provide States and a second	containing sugar or jeggery at 10 g/l at			
	1		fortnightly intervals at flowering and fruit			
	<u> </u>	w 800	initiation.			
		Gummosis,	+ Due to low temperature and humidity			
	8	citrus canker,	disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
		and Dieback	protect healthy plant from soil borne disease.			
PLANTATION CR	PLANTATION CROP					
COFFEE	Fruiting stage	LAWNGTLAL	<b>4</b> According to forecast and past weather			
	- i uniting stuge	- SAIHA	<u> </u>			
		( (	rainfall. So weekly irrigation is required			
			for upcoming week or use straw mulch			
			reduces soil water loss.			
L	1	8131 A				
2   P a g e						



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



CEREALS AND PULSE CROPS				
Rabi Maize	Tassle formation stage	KOLASIB	<ul> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding should be carried out.</li> <li>Provide irrigation twice in a week or</li> </ul>	
	}	422	<ul> <li>grow any cover crop in surface of the soil.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.</li> </ul>	
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>	
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>	
Zero tillage Toria	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Apply split dose of fertilizer for better growth.</li> <li>Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done.</li> <li>Apply split dose of fertilizer for better growth.</li> </ul>	
VEGETABLE CRO	)P			
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.	
		YN C	4   P a g e	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		~	<ul> <li>The plants are-cut close to the ground.</li> <li>The crop is irrigated lightly for easy digging.</li> </ul>
	5	1 3	Harvesting consists of digging of underground clumps of rhizomes
		5 1	with pick axe or digging fork.
	1	KOLASIB	<b>4</b> Fingers are separated from mother
	)	La S	rhizomes. <b>4</b> Wash clumps of rhizomes with water
	5	211	and keep it for sundry.
	1	5 6	↓ Seed stock will be store from partially
		5	dry sample.
	AMAMIT		Cut the rhizome to small pieces for proper drying.
Early cole	Vegetative	1 augusta	According to forecast and past weather
crop	stage	CAIZAWIL	record, there is no probability of
	1	1	rainfall. So weekly twice irrigation is
		1 66	required for upcoming week or use straw mulch reduces soil water loss.
	) 6	A STA	<b>4</b> Intercultural operations should be done
	15		regularly to keep the crop free from
	P	SERCHN	weeds and aeration of the root system. Remaining quantity of nitrogen is
	1	Vita	applied 30-40 days after transplanting.
Onion	Vegetati <mark>ve</mark>	Poly house	<b>4</b> Intercultural operations should be
	stage		done regularly to keep the crop free from weeds and aeration of the root
		LUNGLEI	system.
	3	New York Street	<b>4</b> Remaining quantity of nitrogen is
	1	5	applied 30-40 days after transplanting.
		A	<ul> <li>Provide irrigation if water is require.</li> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
			Trichoderma viride 4g+ metalaxyl 4g
			<ul> <li>(Apron) / kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g</li> </ul>
		1 ~ 1	captan or 3 copper oxychloride/ lt of water
French bean	Vegetative	LAWNGTLAL	at 10-15 DAS are effective. Possibility of rain will be less coming
FICHCH DEall	stage	- SAIHA	
		1 1	be done 2 days interval.
			Intercultural operations should be done regularly to keep the crop free from
		R N N	5   P a g e
			JIEAge



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Capsicum	Transplant stage	Poly house KOLASIB	<ul> <li>weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after sowing.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss.</li> <li>Interculture operation should be don near to the base of the plant.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Staking should be done.</li> </ul>
Tomato	Transplant stage		<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss.</li> <li>Interculture operation should be donn near to the base of the plant.</li> <li>Fertilizer application in split dose or recommended dose.</li> <li>Staking should be done for better fruggrowth.</li> </ul>
		Damping off	Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4



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



Potato       Vegetative stage       Approxi/kg seed         Potato       Vegetative stage       Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.         All stages       Earthing up should be done near to the plant for better growth of tubers and avoid greening of tuber.         All stages       All stages         All stages       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         All stages       Procine Reproductive Respiratory Syndrome (PRRS).         Cattle       All age group         Provide UMB/Molases if possible in the wounds followed by application of magdis in the wounds of animals. Application of turpentine oil in the wounds followed by application of magdis in the wounds of animals. Application of turpentine oil in the wounds followed by application of magdis in the wounds of animals. Application of turpentine oil in the wounds followed by application of magdis in the wounds of animals. Application of turpentine oil in the wounds followed by application of magdis in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.				
stage       KOLASIB       the plant for better growth of tubers and avoid greening of tuber.         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.         ANIMAL HUSBENDARY         Pig       All stages         All stages         Pig       In present weather conditions, special care should be taken against statck of magots in the wounds of animals. Application of turpentine oil in the wounds of animals. Application of turpentine oil in the wounds for distribute by apublication of animals. A	Potato	Vegetative	$\wedge$	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
ANIMAL HUSBENDARY         Pig       All stages         All stages       4 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         1 * 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, special care should be taken against attack of maggots in the wounds of animals.         1. Culling of positive pigs or piglets.         Cattle       All age group         View of the state of the wounds of animals.         Provide UMB/Molases if possible in the feed         Provide 10-30 ml of vitamin B-Complex				the plant for better growth of tubers and avoid greening of tuber.
ANIMAL HUSBENDARY       fertilizer.         Pig       All stages       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         1 st injection at 6 months of age and 2nd injection at 12 months of age 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)         Cattle       All age group         Cattle       All age group         Provide in the wounds followed by application of antibiotics for five days is advised.         Provide 10-30 ml of vitamin B-Complex			"fl	record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.
Pig       All stages       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         Isi 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 available in State Veterinary Departs)         Cattle       All age group       Porcine Reproductive Respiratory Syndrome (PRRS).         In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.         Provide UMB/Molases if possible in the feed       Provide 10-30 ml of vitamin B-Complex		MAMIT	1	
Cattle       All age group         Cattle       All age group         Porcine Respiratory Syndrome (PRRS).       In present weather conditions, special care should be taken against attack of maggots in the wounds of animals.         Image: Provide ade: provide ad: provide ade: provide: provi				Pitan atria a
Cattle       All age group         Porcine Reproductive Respiratory Syndrome (PRRS).       Porcine Provide adequate potable water.         In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)         1. Culling of positive pigs or piglets.         Provide adequate potable water.         In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)         1. Culling of positive pigs or piglets.         Provide adequate potable water.         In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.         Provide 10-30 ml of vitamin B-Complex	Pig	All stages	Sanzavin.	kept in alleviated area and dry bedding (straw) to be provided to young animals.
Cattle       All age group         All age group       In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)         1. Culling of positive pigs or piglets.         Cattle       All age group         Image display="block">Porcine Reproductive Respiratory Syndrome (PRRS).         Image display="block">Image display="block">Image display="block">Image display="block">Image display="block">Image display="block">Image display="block">Image display="block"         Cattle       All age group       Image display="block">Image display="block"         Image display="block">Provide UMB/Molases if possible in the wounds followed by application of antibiotics for five days is advised.         Image display="block">Provide UMB/Molases if possible in the feed         Image display="block">Provide 10-30 ml of vitamin B-Complex		P		2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.
Cattle       All age group       In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.         Image: Provide UMB/Molases if possible in the feed       Provide UMB/Molases if possible in the feed		2		In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)
<ul> <li>care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex</li> </ul>		3	Reproductive Respiratory	
feed Provide 10-30 ml of vitamin B-Complex	Cattle	All age group		care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.
				feed
			PN A	7 Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

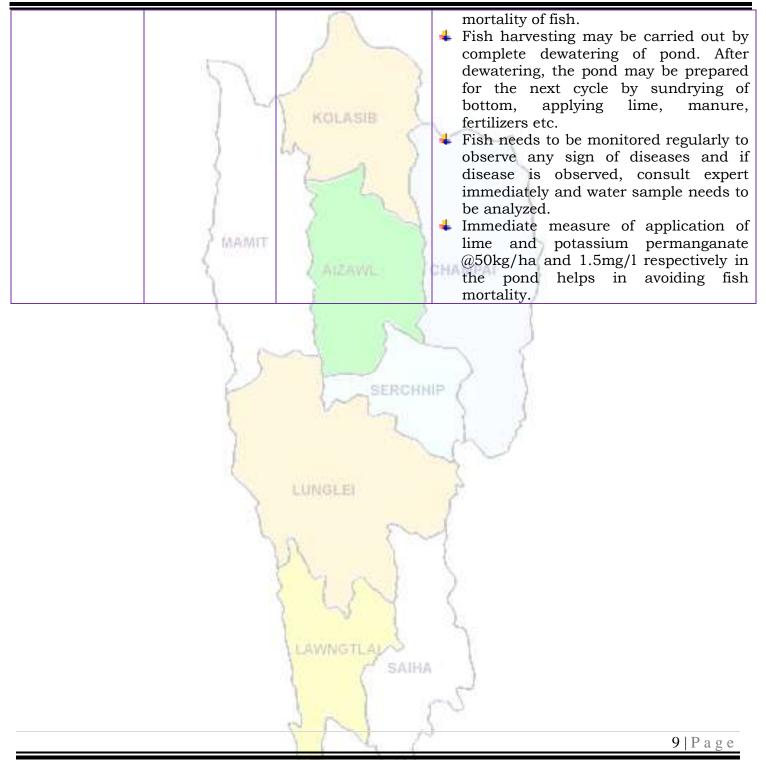


Poultry	All age group	KOLASIB	<ul> <li>in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100</li> </ul>
	Z	SERCHH	<ul> <li>vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD</li> </ul>
FISHERY	3		<ul> <li>vaccine, 35 days: F/Lasota, 6-7</li> <li>weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>
	Monitoring of fish in pond	LAWNGTLAL	<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



#### **Expert committee members:**

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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: 26 January – 30 January, 2018

<b>Bulletin No: -</b>	765/2018/	Bulletin/Mizo
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	27	28	28	
Min Temp (°C)	11	12	12	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	95	95	96	94	87	
Min RH (%)	32	28	30	32	26	
Wind Speed (KmpH)	3	4	2	2	4	
*Wind Direction	E	E	N-E	N-E	N-E	
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Westerly- <mark>S-W</mark> , We				
		1-31, 2017 (Percer				
Aizawl- 283.0mm	Champh	<mark>ai-</mark> 0.00mm	Saiha- 57.9 m		<b>-</b> 50.0mm	
(44.8mm)		(35.9mm)	(64.0m	•	(34.8mm)	
Lawngtlai-135.3mm	Lunglei		Mamit-231.0m		p-234.8mm	
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)	
Weather summary		26 th January	– 30 th Janua	a <b>ry, 2018 ch</b> i	hunga sik 🚽	
three day	s	leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2	2-23°C					
Minimum Tem. (°C):1		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 24-25°C a ni ang a. A				
Maximum RH (%):84-		vawh lai ber in $8-10^{\circ}$ C ni tura beisei a ni. RH san lai berin				
Minimum RH (%):38-	400/	94-98% leh a hniam lai berin 28-42% ni tur a rin niin. Thli				
Wind Direction: East						
Cloud cover: Clear sk	37	hi darkar khatah 3-4 km vela chakin chhaklam awi				
Wind speed: 1-2 km/	hr	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
		hian khawthiang tak hmuh beisei a ni.				
Rainfall: 00.0 mm						
		Weekl	y cumulative	rainfall: 00.0r	nm	
NDVI for Mizoram		North East Region 29 Auro 2017	Moderately	wet mildly dr	y/mildly wet	
			conditions			
		1	nerd Reserve			
			-			
		AR 200	See See			
		Aphabase agout to good some mod of the parts harborn da theory and longitudes: whereas moderne regard to noticed in strated region.	-			
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#### **ICAR RESEARCH COMPLEX FOR NEH REGION**



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	5	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	1	0	velah dahkhawm tur ani.
LIME	)	an J	4 Thlai naupang deuah chuan chawlh
BANANA	5	2 1	kar tin a tui pek thin tur ani.
DANANA	5		Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm
	1	C > I	te thlawhfai thin tur ani.
STAR FRUIT			A seng hma kar 6 chhung chu tui tha
STAR FRUIT	/ MAINIT		taka pek hian a rah tla tur chelh nan
	5	) ast mus	leh a rah than that nan te leh a rah
PLUM AND	5	( AIZAWAL )	keh tur lakah t a veng thei ani.
PEACH		5 5	
	200	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
		canker, citrus	hian natna a a tam duh a . Soil bome natna
	2 6	greening and	laka vennan Bordeaux past hi thing zar leh
		Dieback	a trangah te hnawih tur ani.
	8	Fruit fly RCHH	+ Huan zau takah chuan a par tan tirh leh a
	1	V	rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	- P		10 g/l.
PLANTATION CR	ОР		
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
	1	M REAL	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
		2 -2 1	buhpawla khuh tur ani.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
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		VIL C	2   P a g e

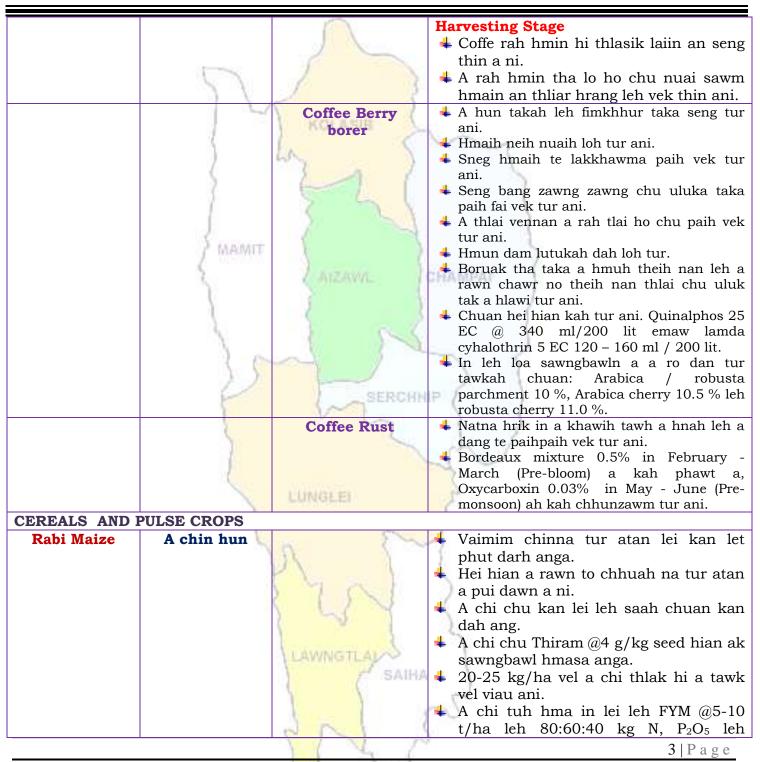


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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR0	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		612 1	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



#### ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /li tha tak leh tui thianghlim tak pek t ani.</li> <li>Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh t ani.</li> </ul>
	Preventive	0-3 rd week	<b># Ranikhet</b> 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	<b>4 Coccidiosis</b> - Amprolium
	AMAMIT	4 1941 177 1	coccidiostat
	2. 00850203	4-5 th Weeks	$\downarrow$ Calcium tonic fortified with B ₁₂
FISHERY	1	( AIZAWIL )	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>tur an a, ninuar atang a tur to insea thin, aflatoxin avang a sangha thi l atangin sangha a him phah thin.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>
		P N N	
		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)



### **District:** Lunglei

Period: 26 January – 30 January, 2018

<b>Bulletin No:</b>	- 765/2018/	<b>Bulletin/English</b>
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	26	27	27	
Min Temp (°C)	10	10	10	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	26	26	28	28	23	
Wind Speed (KmpH)	4	4	2	2	4	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mons				-		
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		<b>o- 21.4mm</b>	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary of		Weather fore		n 26 th January	, 2018 To	
three day		30 th January, 2018.				
Maximum Tem. (°C):1 Minimum Tem. (°C):0 Maximum RH (%):76- Minimum RH (%):38-3 Wind Direction: Easte Cloud cover: Clear sk Wind speed: 1-2 km/1 Rainfall: 00.0 mm NDVI for Mizoram	8-10°C 85% 82% erly y	There are no ch The maximum a days may rang relative humidit minimum may easterly with the will prevail durir <b>Weekl</b>	and minimum fe for 26-27°C y is expected from 23-28%. wind speed of ng the next five <b>y cumulative</b> Mildly dry districts of	temperatures for c and 10-11°C in the range of Wind direction 2-4 km per ho days. rainfall: 00.0 for condition of	or the next 5 C. Maximum of 100% and on would be ur. Clear sky	
			= /~		1   P a g e	



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



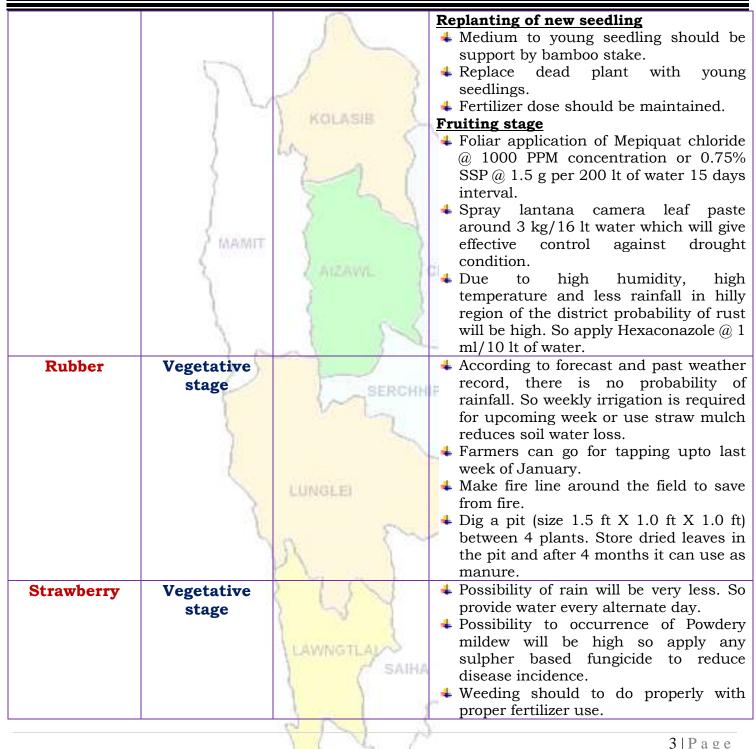
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Harvesting	2 5	♣ According to forecast and past weather			
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.			
AND ACID	Ĩ	C	So weekly irrigation is required for			
LIME	)	LA N	upcoming week or use straw mulch			
	6	1 1 1	reduces soil water loss.			
BANANA	1		<b>4</b> First harvest can be done 5 to 6 years			
	6	2 21	after planting.			
			✤ Fruits are harvested when they attain			
STAR FRUIT	AMAMIT		full size, develop attractive colour from			
	1 meaning	5	green to yellow with optimum sugar and			
PLUM AND	3.0	ARZAWAL )	acid blend.			
			Fruits should be harvested preferably			
PEACH	1	1	with clipper, shears or secateurs.			
	100	S and	Oranges should not be harvested in wet			
	1		weather or during rains.			
			4 Green or fully ripe fruits can be stored			
	11		in evaporative cool chamber at 8-10°C &			
	-	SERCH				
	3	Vita	three weeks after post-harvest treatment			
	5	Le	with Bavistin (1000 ppm.).			
			+ Diseased and senile branches should be			
			removed.			
	100	Fruit fly	↓ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension			
	5	E MIN GELEN	containing sugar or jeggery at 10 g/l at			
	1		fortnightly intervals at flowering and fruit			
		W 82	initiation.			
		Gummosis,	+ Due to low temperature and humidity			
		citrus canker,	disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
	N 10	and Dieback	protect healthy plant from soil borne disease.			
PLANTATION CR			uistast.			
COFFEE	Fruiting stage	LI AWNIGTT ALSO	<b>4</b> According to forecast and past weather			
COFFEE	r running stage	SAIHA	<u> </u>			
		( SAINA	rainfall. So weekly irrigation is required			
			for upcoming week or use straw mulch			
		1 5 1	reduces soil water loss.			
		The second	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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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



CEREALS AND P	ULSE CROPS		
Rabi Maize	Tassle formation stage	KOLASIB	<ul> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding should be carried out.</li> <li>Provide irrigation twice in a week or grow any gave grow in surface of the second seco</li></ul>
Zero tillage	Flowering	Zero tillage	<ul> <li>grow any cover crop in surface of the soil.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.</li> <li>Possibility of rain will be very less. So</li> </ul>
Greengram and blackgram	stage	AIZAWL	<ul> <li>provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>
Zero tillage Toria	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Apply split dose of fertilizer for better growth.</li> <li>Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done.</li> <li>Apply split dose of fertilizer for better growth.</li> </ul>
VEGETABLE CRO	)P		
Ginger and turmeric	Harvesting stage	SALLA SALLA	Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.
		Y N C	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>The plants are-cut close to the ground.</li> <li>The crop is irrigated lightly for easy digging.</li> <li>Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork.</li> <li>Fingers are separated from mother rhizomes.</li> <li>Wash clumps of rhizomes with water and keep it for sundry.</li> <li>Seed stock will be store from partially</li> </ul>
	1	1 2	dry sample. Cut the rhizome to small pieces for
	MAMIT		proper drying.
Early cole crop	Vegetative 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
	1		straw mulch reduces soil water loss.
	) 6		<b>4</b> Intercultural operations should be done
	1 2		regularly to keep the crop free from
	0	SERCHN	weeds and aeration of the root system.
	5	1 million	+ Remaining quantity of nitrogen is
			applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
	stage		done regularly to keep the crop free
	No.	WHEN IN THE Y	from weeds and aeration of the root
		LUNGLEI	system. Remaining quantity of nitrogen is
	1		applied 30-40 days after transplanting.
		· ·	<ul> <li>Provide irrigation if water is require.</li> </ul>
		1	Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		2 1 5 1	(Apron)/ kg seed
		1 55 7	Drenching 1% Bordeaux mixture or 2 g
		1 1 1	captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAL	<ul> <li>Possibility of rain will be less coming</li> </ul>
	stage	- SAIHA	
	8-	1 1	be done 2 days interval.
			+ Intercultural operations should be done
		NRI	regularly to keep the crop free from
		112 C	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Capsicum	Transplant stage	Poly house KOLASIB	<ul> <li>weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after sowing.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>According to forecast and past weather record, there is no probability o rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Staking should be done.</li> </ul>
Tomato	Transplant stage		<ul> <li>According to forecast and past weather record, there is no probability or rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss.</li> <li>Interculture operation should be donnear to the base of the plant.</li> <li>Fertilizer application in split dose or recommended dose.</li> <li>Staking should be done for better fruit growth.</li> </ul>
		Damping off	Seed treatment with thiram 3g/kg seed o Trichoderma viride 4g+ metalaxyl 4
		6 1 1	<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Potato	Vegetative	$\wedge$	<ul> <li>(Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> <li>Earthing up should be done near to</li> </ul>
Potato	stage	KOLASIB	the plant for better growth of tubers and avoid greening of tuber.
ANIMAL HICOP	MAMIT	"Fhi	<ul> <li>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.</li> <li>Apply split dose of nitrogenous fertilizer.</li> </ul>
ANIMAL HUSBE		ATAM	Animala must keep in day place or
Pig	All stages		<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and</li> </ul>
	P	SERCHH	<ul> <li>2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> </ul>
	2	100000	<ul> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	2	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAY	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the</li> </ul>
			feed Provide 10-30 ml of vitamin B-Complex
		N N S	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

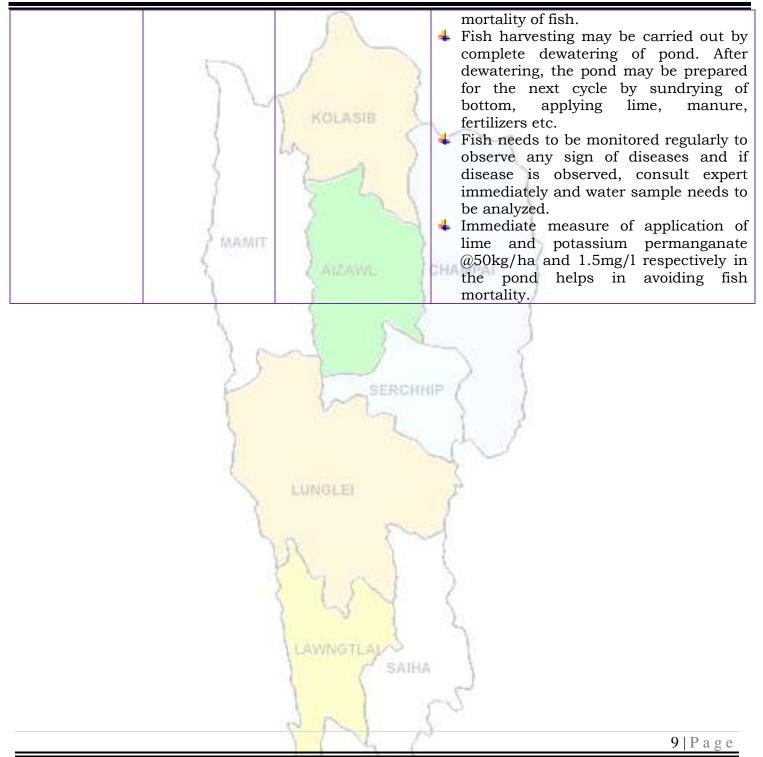


2	KOLASIB	<ul> <li>in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> </ul>
All age group	52	<ul> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> </ul>
R	AIZAWA	<ul> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days:¬ F/Lasota, 14-18</li> </ul>
2		<ul> <li>days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>
Monitoring of	124	Care should be taken that fish are fed with feed that are free from fungus. If
iisn in pond	LAWNGTLAUSAIHA	<ul> <li>with leed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to</li> </ul>
	MAMIT	Monitoring of fish in pond



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Lunglei

Period: 26 January – 30 January, 2018

<b>Bulletin No: -</b>	765/2018/	Bulletin/Mizo
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	26	26	26		
Min Temp (°C)	12	12	12	12	12		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	90	88	100	100	100		
Min RH (%)	39	33	27	25	26		
Wind Speed (KmpH)	3	4	4	4	4		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Vesterly- <mark>S-W</mark> , We					
Status of Post Mons							
Aizawl- 18.1mm	Champha	ui- 12.00mm	Saiha- 13.9 m		<b>o-</b> 21.4mm		
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m	· · · · · · · · · · · · · · · · · · ·	(12.9mm)		
Weather summary of	· · · · · · · · · · · · · · · · · · ·	26 th January	– 30 th Janua	u <b>ry, 2018 ch</b> l	hunga sik 👘		
three days	S	leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1	.7-20°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):0		tura beisei a ni. Khua a lum lai berin 26-27°C a ni ang a. A					
Maximum RH (%):76-		vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai					
Minimum RH (%):38-		berin 100% leh a hniam lai berin 23-28% ni tur a rin niin.					
Wind Direction: Easte		Thi hi darkar khatah 2-4 km vela chakin chhaklam awi					
Cloud cover: Clear sk	37						
Wind speed: 1-2 km/l		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.					
		nian knawtniang	g tak nmun bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekl	y cumulative	rainfall: 00.0r	nm		
NDVI for Mizoram		North East Region 29 Auro 2017		condition oc	curs in all		
		~	districts of	Mizoram.			
			net and and a second seco				
			-				
		<b>الله الله الله الله الله الله الله الله</b>					
		Aphilution report to good over their of the parts literature do theory and line/parker whereas modernia region is noticed in shifter report.					
		VIN	14		1   Page		
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### **ICAR RESEARCH COMPLEX FOR NEH REGION**



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	'	•	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME	)	LA.	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.
			<ul> <li>A Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		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.
<u> </u>	1	NR C	
		V V M	2   P a g e
			2   1 agu

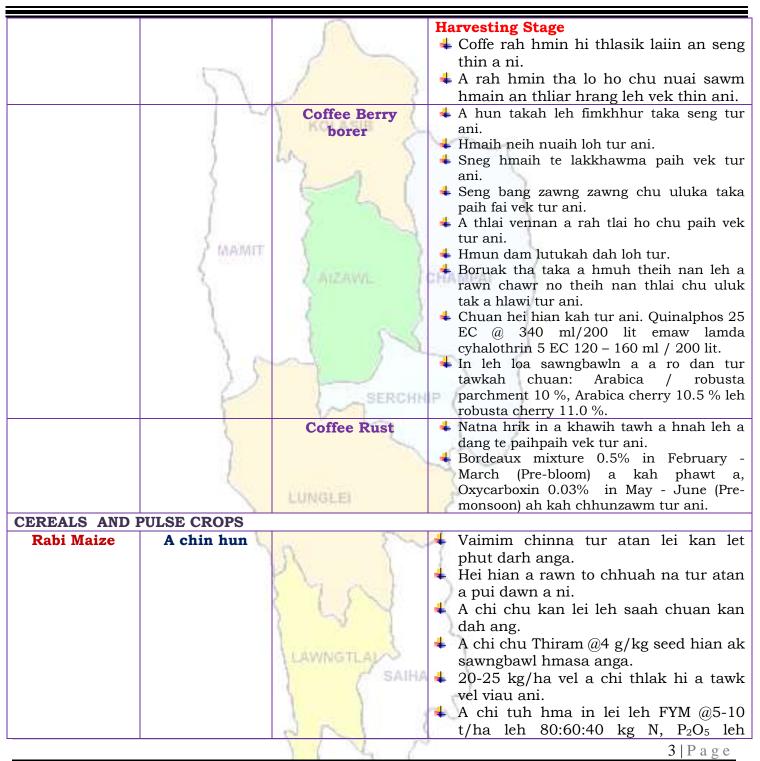


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR0	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		612 1	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Onion and capsicum       Nursery stage       Poly house <ul> <li>Thiai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>Thai u lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>Thai u lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> Poly house <ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thai bul a hawn nan at hlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah bi a tha file ani.</li> <li>Thai chhina hmun (nursery) hi hnima to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah bi a tha file ani.</li> </ul> French bean         Sowing stage <ul> <li>A thai a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>Tui pek huah thei ani!</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek huah thei a bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>				
capsicumtui pek thin tur ani.capsicumtui pek thin tur ani.tui pek thin tur ani.Thia ibul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thia ibul yawn hnawn nana thia 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 stageCarrot and radishSowing stageThia bul yawn hnawn nana thila bul yawn hnawn na tur in a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stageThia bul yawn hnawn nana thi tui pek hina thina hringa khuh tur ani.Thia bul yawn hnawn na tur in a kung bulah lei vur chhoh zel tur ani.Thia bul yawn hnawn na tur siam tur ani.Thia bul yawn brawn na tur siam tur ani.Thia bul yawn brawn ha na tur siam tur ani.Thia bul yawn brawn na tur siam tur ani.Thia bul yawn brawn na tur siam tur ani.Thia bul yawn brawn na tur siam tur ani.Thia bran an chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	Onion and	Nurservistare	Rolasia	<ul> <li>ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageHneh taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing 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 leh hnim to loh na turi na kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hunah thlai bul vawn hnawn na tur siam tur ani.DisplaySowing stageA than a that theih nan nikhat danah tui pek hunah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.DisplayA than a lam chi leh zikhlum lam chi reng reng enka			AIZAML	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionMarkow Construc		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
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	LUNGLEI	<ul> <li>a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
		Sowing stage		<ul> <li>tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			P 1 4	)



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



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



5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>
Prevent	tive 0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga ni
measu	res	1-6 ah F1 vaccine pek tur ani a, chuan
1	~ ~ )	a puitlingh chuan R ₂ B vaccine pek tu
2		ani.
		B complex with antibodies
	4 th weeks	<b>Coccidiosis</b> - Amprolium or
51	A Eth Weeler	coccidiostat
	4-5th weeks	$\downarrow$ Calcium tonic fortified with B ₁₂
FISHERY	AIZAWAL	CHAMPAI
Monitoria	ng	4 Sangha te hi chaw a hmuar kai lo
(Sangha	1 1 1	chauh pek thin tur ani. Sangha chaw a
enkawl)		lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.
	10~ 1	<ul> <li>↓ Sangha chaw hi a hmuar lohna turii</li> </ul>
		hmun ro leh uan lutuk lo ah dahtha
	SERCH	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 thi
	1	hian a kumleh a sangha khawinan a di
	LUNGLEI	buatsaih a ti awlsam a, dil mawn
	S	phoro, chinai phul, leitha hman leh tu
	1	dang in dil buatsaih tur ani.
		Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil
	PN 1	chuan mithiam te rawn vat a, diltu
	5765	enfiah vat tur ani.
	S LI Y	<b>4</b> A ranglam a chinai @50kg/ha leh
		tuisen @1.5mg/l diltui a hman hiar
	LAWNGTLAL	sangha natna avang a thi tur lal
	- SAIH	atangin a veng thei.
	( SAIN	)
		100
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		7   P a g e



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

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



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LAWNGTLA SAIHA

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District: Mamit**

Bulletin No: - 765/2018/ Bulletin/English

Date of issue: 25th January, 2018

Period: 26 January - 30 January, 2018

	1 1	1 P	1			
Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	27	27	27	27	
Min Temp (°C)	10	10	10	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	29	29	30	30	26	
Wind Speed (KmpH)	2	4	2	2	2	
*Wind Direction	E	S-E	E	S-E	S-E	
		Easterly- N-E, Easterly- N-E, Easterly-				
Souther Status of Post Mons		Westerly- S-W, We			areath agic)	
Aizawl- 18.1mm		ai- 12.00mm	Saiha- 13.9 m		<b>- 21.4mm</b>	
(11.6mm)	Champha	(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm	
(07.1mm)	Zungi	(08.7mm)	(09.6m		(12.9mm)	
Weather summary	of the past		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
three day	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 26 th January, 2018 To 30 th January, 2018.				
Maximum Tem. (°C):2		There are no chances of rainfall during the next 5 days.				
Minimum Tem. (°C):		The maximum and minimum temperatures for the next 5				
Maximum RH (%):76-		days may range for 26-27°C and 10-11°C. Maximum				
Minimum RH (%):52-		relative humidity is expected in the range of 100% and				
Wind Direction: Easte	erly		- <u>-</u>	0		
Cloud cover: Clear sk	y	minimum may from 26-30%. Wind direction would be easterly to southeasterly to easterly and southeasterly with				
Wind speed: 1-2 km/	hr	the wind speed	U	2	0	
		<b>1</b>		nour. Clear sk	y will prevail	
Rainfall: 00.0 mm		during the next f	ive days.			
		Weekl	u cumulative	rainfall: 00.0 1	mm	
NDVI for Mizoram		weeki				
ADVI IOI MIZOTAM		North East Region 29 June 2017	districts of	condition oc	cuis in all	
		~33 ··· =	districts of	mizorain.		
		Aprophysical special and the poly bothers in Training and Megnatical Interest incidence report is noticed to				
		a the region				
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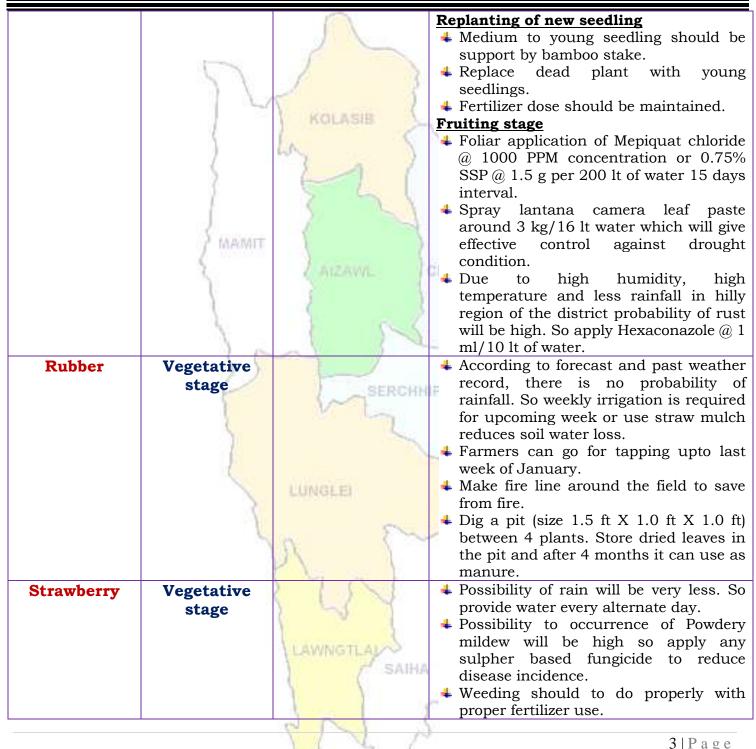
	-					
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	Harvesting	2 5	♣ According to forecast and past weather			
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.			
AND ACID	Ĩ	C	So weekly irrigation is required for			
LIME	)	LA N	upcoming week or use straw mulch			
		1 1 1	reduces soil water loss.			
BANANA	1		<b>4</b> First harvest can be done 5 to 6 years			
	6	2 21	after planting.			
			✤ Fruits are harvested when they attain			
STAR FRUIT	AMAMIT		full size, develop attractive colour from			
	1 meaning	5	green to yellow with optimum sugar and			
	3.0	ARZAWAL )	acid blend.			
PLUM AND			Fruits should be harvested preferably			
PEACH	)	1	with clipper, shears or secateurs.			
	1	S and	Oranges should not be harvested in wet			
	1		weather or during rains.			
			4 Green or fully ripe fruits can be stored			
	11		in evaporative cool chamber at 8-10°C &			
		SERCH				
	3	V Las	three weeks after post-harvest treatment			
	5	1	with Bavistin (1000 ppm.).			
			Diseased and senile branches should be removed			
	1	Danid fla	removed. In large gardens apply carbaryl 0.2 per cent			
		Fruit fly	or malathion 0.15 per cent suspension			
	2	Provide States and a second	containing sugar or jeggery at 10 g/l at			
	1	1990 C	fortnightly intervals at flowering and fruit			
	<u> </u>	W En	initiation.			
		Gummosis,	+ Due to low temperature and humidity			
		citrus canker,	disease appearance will more. Use Bordeaux			
		citrus greening	past in tree trunk, twigs and branches			
		and Dieback	protect healthy plant from soil borne disease.			
PLANTATION CR	OP		uiocaoc.			
COFFEE	Fruiting stage	LAWNGTLAL	<b>4</b> According to forecast and past weather			
		- SAIHA	<b>J</b>			
			rainfall. So weekly irrigation is required			
			for upcoming week or use straw mulch			
		1 2 1	reduces soil water loss.			
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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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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



CEREALS AND P	ULSE CROPS						
Rabi Maize	Tassle formation stage	15	<ul> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> </ul>				
		KOLASIB	<ul> <li>Weeding should be carried out.</li> <li>Provide irrigation twice in a week or grow any cover crop in surface of the soil.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.</li> </ul>				
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>				
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>				
Zero tillage Toria	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Apply split dose of fertilizer for better growth.</li> <li>Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done.</li> <li>Apply split dose of fertilizer for better growth.</li> </ul>				
VEGETABLE CRC	VEGETABLE CROP						
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.				
		SIL C	4   P a g e				

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



r			
			<ul><li>The plants are-cut close to the ground.</li><li>The crop is irrigated lightly for easy</li></ul>
			digging.
	1 1	1 3	+ Harvesting consists of digging of
	1 1	5	underground clumps of rhizomes
	1	KOLASIE	with pick axe or digging fork.
		) NULHOID	+ Fingers are separated from mother
		Lo S	rhizomes.
	1	~~~~ )	4 Wash clumps of rhizomes with water
	)		and keep it for sundry.
	5		<b>4</b> Seed stock will be store from partially
		S. 24	dry sample.
		1	$\downarrow$ Cut the rhizome to small pieces for
	MAMIT		proper drying.
Early cole	Vegetative	10000	+ According to forecast and past weather
crop	stage	A AIZAWIL	record, there is no probability of
crop	Stuge		rainfall. So weekly twice irrigation is
		( S	required for upcoming week or use
	S	1 56	straw mulch reduces soil water loss.
			+ Intercultural operations should be done
	100		regularly to keep the crop free from
	11		weeds and aeration of the root system.
		SERCHN	+ Remaining quantity of nitrogen is
	1	V-L-	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	↓ Intercultural operations should be
Onion	-	Fory nouse	done regularly to keep the crop free
	stage		from weeds and aeration of the root
		A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O	system.
		LUNGLEI	Remaining quantity of nitrogen is
	1		applied 30-40 days after transplanting.
	L		<ul> <li>Provide irrigation if water is require.</li> </ul>
		11	<ul> <li>Frovide infigation if watch is require.</li> <li>Seed treatment with thiram 3g/kg seed or</li> </ul>
			Trichoderma viride 4g+ metalaxyl 4g
		1 7 6	(Apron)/ kg seed
			4 Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAU	<b>4</b> Possibility of rain will be less coming
	stage	SAIHA	five days. So alternate irrigation should
			be done 2 days interval.
			+ Intercultural operations should be done
		N R L	regularly to keep the crop free from
		VIN A	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Capsicum	Transplant stage	Poly house KOLASIB	<ul> <li>weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after sowing.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWAL	<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Staking should be done.</li> </ul>
Tomato	Transplant stage		<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Staking should be done for better fruit growth.</li> </ul>
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		601	)
		14	6   P a g e



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



Potato	Vegetative	$\bigwedge$	<ul> <li>(Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> <li>Earthing up should be done near to</li> </ul>
	stage		<ul> <li>the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather</li> </ul>
		The fill	<ul> <li>record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Apply split dose of nitrogenous fertilizer.</li> </ul>
ANIMAL HUSBE			
Pig	All stages	Porcine Reproductive	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
	L.	Respiratory	-
		Syndrome (PRRS).	
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> </ul>
			Provide 10-30 ml of vitamin B-Complex
		6 N 3	
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

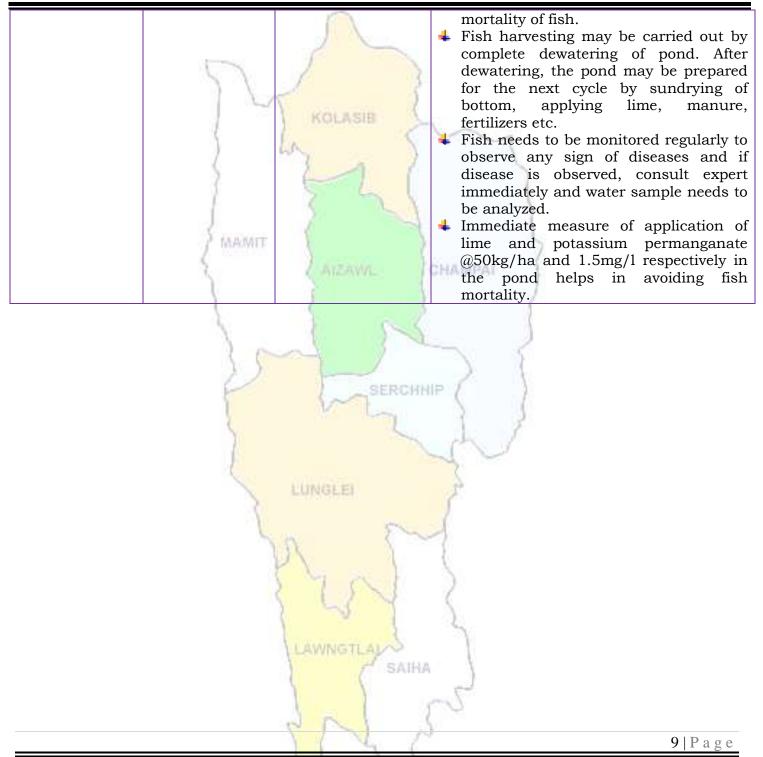


Poultry	All age group	KOLASIB	<ul> <li>in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100</li> </ul>
	P	SERCHH	<ul> <li>birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended deces</li> </ul>
FISHERY	2		<ul> <li>vaccine, 35 days: F/Lasota, 6-7</li> <li>weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> <li>Remove wet litter.</li> </ul>
	Monitoring of fish in pond		<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to</li> </ul>
		1 L	8   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



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LAWNGTLA SAIHA

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: 26 January – 30 January, 2018

<b>Bulletin No:</b> -	765/2018/	Bulletin/Mizo
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	27	27	27	27		
Min Temp (°C)	10	10	10	11	11		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	29	29	30	30	26		
Wind Speed (KmpH)	2	4	2	2	2		
*Wind Direction	E	S-E	E	S-E	S-E		
		Easterly- <mark>N-E</mark> , Eas					
		<mark>/esterly- <mark>S-W</mark>, We</mark>					
Status of Post Mon							
Aizawl- 18.1mm	Champha	i- 12.00mm	Saiha- 13.9 m		<b>b- 21.4mm</b>		
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)		
Weather summary		26 th January	– 30 th Janua	ary, 2018 ch	hunga sik		
three day	S	leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):2	25-26°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):		tura beisei a ni. Khua a lum lai berin 26-27°C a ni ang a. A					
Maximum RH (%):76-		vawh lai ber in 10-11°C ni tura beisei a ni. RH san lai berin 100% leh a hniam lai berin 26-30% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.					
Minimum RH (%):52-							
Wind Direction: East	o #1++						
Cloud cover: Clear sk	37						
Wind speed: 1-2 km/							
	-	nian knawtniang tak nmun beisel a ni.					
Rainfall: 00.0 mm		TTT1-1					
		ωεεκι	y cumulative	rainfall: 00.0r	nm		
NDVI for Mizoram		North East Region 29 Auro 2017	5 5	condition oc	curs in all		
			districts of	Mizoram.			
			ner Nerer				
		Altabase special post over not of the period interview					
		Traces and insplative wholes income vacuum is noticed in show report	The second s				
		1 / X	12		1   Page		



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

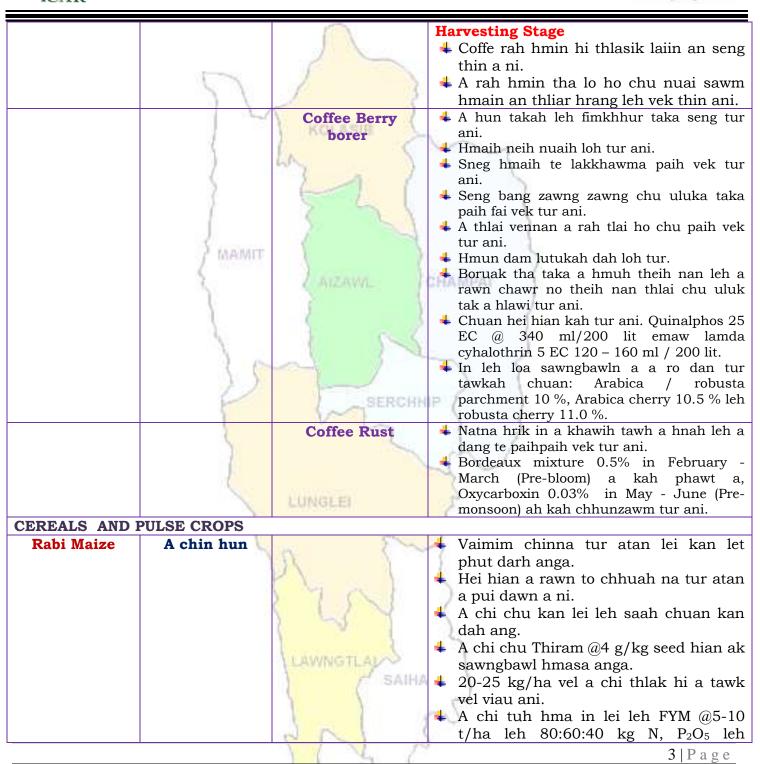


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah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



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum$	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CR0	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek</li> </ul>
		612 1	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



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



	2	$\sum$	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	+	Ranikhet Disease- an pian atanga ni
	measures	En S	~~~	1-6 ah F1 vaccine pek tur ani a, chuan
		1 1 1		a puitlingh chuan R ₂ B vaccine pek tu
	2		· .	ani.
		4th	1	B complex with antibodies
		4 th weeks		<b>Coccidiosis-</b> Amprolium or
	MAGMIT	A Fith TTT 1		coccidiostat
	0.00000	4-5 th Weeks	1 1 1 T	Calcium tonic fortified with B ₁₂
FISHERY	5	( AIZAWIL )		MPAI
	Monitoring	5		Sangha te hi chaw a hmuar kai lo
	(Sangha	1 0 1		chauh pek thin tur ani. Sangha chaw a
	enkawl)			lo hmuar anih chuan pek hma in ni sa
	2 6			a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turii
	1)			hmun ro leh uap lutuk lo ah dahtha
	6	SERCHN		tur ani a, hmuar atang a tur lo insean
	1	Mr.L.		thin, aflatoxin avang a sangha thi lal
	<			atangin sangha a him phah thin.
				Dil sah kang veka sangha man thi
	1		-	hian a kumleh a sangha khawinan a di
		LUNGLEI		buatsaih a ti awlsam a, dil mawn
	2	and the second		phoro, chinai phul, leitha hman leh tu
		200		dang in dil buatsaih tur ani.
	5	n (~~		Sangha te natna lak atangin an him en
				tih enfiah fo a tha a, natna hmuh anil
		My Real		chuan mithiam te rawn vat a, diltu enfiah vat tur ani.
				A ranglam a chinai @50kg/ha lel
		1 20 1		tuisen $@1.5mg/l$ diltui a hman hiar
		Low marine and the		sangha natna avang a thi tur lal
		LAWNGTLAN		atangin a veng thei.
		SAIHA		
			1	
		A a l	-	2
		6 5 1	)	<b>7</b>   D
		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: Saiha**

Bulletin No: - 765/2018/ Bulletin/English

Date of issue: 25th January, 2018

Period: 26 January – 30 January, 2018

	1 1	P	3			
Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	26	27	27	
Min Temp (°C)	10	11	11	11	12	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	99	97	92	99	74	
Min RH (%)	22	22	24	26	20	
Wind Speed (KmpH)	4	4	3	3	4	
*Wind Direction	E	E	E	E	N-E	
Souther	ly- <mark>S</mark> , South-	Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mons						
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		o- 21.4mm	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary	-	Weather forecast valid from 26 th January, 2018 To				
three day		<b>30thJanuary</b> , 2018.				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):81- Minimum RH (%):43- Wind Direction: Easte Cloud cover: Clear sk Wind speed: 0-2 km/	0-13°C 90% 54% erly y	There are no ch The maximum a days may rang relative humidity minimum may easterly to north hour. Clear sky y	nd minimum e for 26-27°C y is expected i from 20-26%. easterly with th	temperatures for C and 10-12°C n the range of Wind direction he wind speed of	or the next 5 C. Maximum 74-99% and on would be of 3-4 km per	
Rainfall: 00.0 mm		Weekl		rainfall: 00.0 1		
NDVI for Mizoram		Territ Excitinger Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description Description	districts of	condition oc Mizoram.	curs in all	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

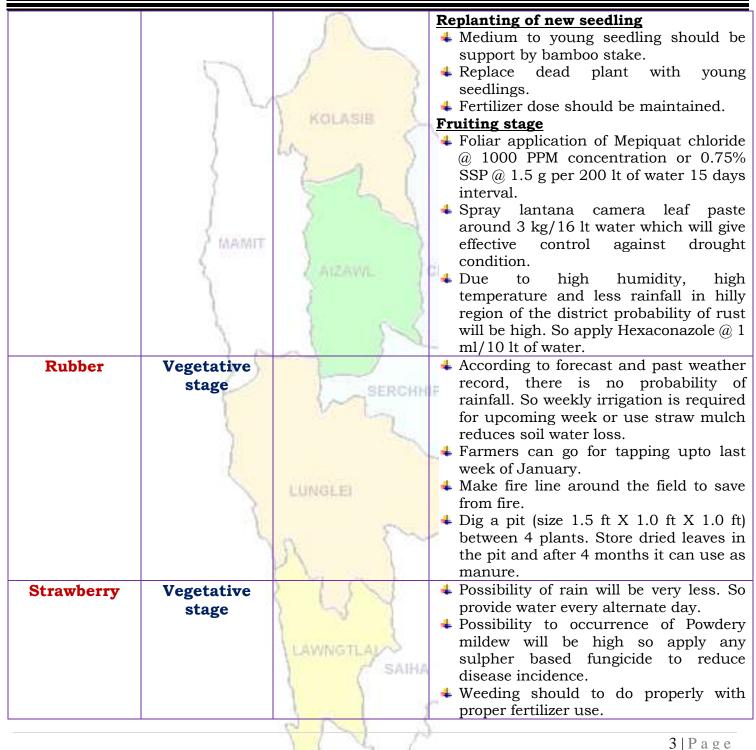


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS	<u> </u>	•	·
KHASI	Harvesting	2 5	<b>4</b> According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.
AND ACID	Ĩ	Contraction	So weekly irrigation is required for
LIME	)	LA N	upcoming week or use straw mulch
	(	1 1 1	reduces soil water loss.
BANANA	2		<b>4</b> First harvest can be done 5 to 6 years
	(	2 21	after planting.
			✤ Fruits are harvested when they attain
STAR FRUIT	AMAMIT		full size, develop attractive colour from
	1 meaning	5	green to yellow with optimum sugar and
PLUM AND	30	Z ATZAWAL Y	acid blend.
			Fruits should be harvested preferably
PEACH	1	1	with clipper, shears or secateurs.
	1	S Call	Oranges should not be harvested in wet
	1		weather or during rains.
			4 Green or fully ripe fruits can be stored
	11		in evaporative cool chamber at 8-10°C &
	-	SERCH	
	1	V Law	three weeks after post-harvest treatment
	5	1	with Bavistin (1000 ppm.).
			<ul> <li>Diseased and senile branches should be removed.</li> </ul>
		Fruit fly	In large gardens apply carbaryl 0.2 per cent
		LUNGLE	or malathion 0.15 per cent suspension
	2	Provide Statements	containing sugar or jeggery at 10 g/l at
	1	1990 C	fortnightly intervals at flowering and fruit
		W. Cha	initiation.
		Gummosis,	+ Due to low temperature and humidity
	1	citrus canker,	disease appearance will more. Use Bordeaux
		citrus greening	past in tree trunk, twigs and branches
		and Dieback	protect healthy plant from soil borne disease.
PLANTATION CR	OP		uiscast.
COFFEE	Fruiting stage	LAWNGTLAL	<b>4</b> According to forecast and past weather
	- rarring stuge	- SAIHA	<b>J</b>
			rainfall. So weekly irrigation is required
			for upcoming week or use straw mulch
			reduces soil water loss.
L	I	8131 A	
		1 4 6	2   P a g e



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



CEREALS AND P	ULSE CROPS		
Rabi Maize	Tassle formation stage	KOLASIB	<ul> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> <li>Weeding should be carried out.</li> <li>Provide irrigation twice in a week or</li> </ul>
	}	my for	<ul> <li>grow any cover crop in surface of the soil.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.</li> </ul>
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>
Zero tillage Toria	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Apply split dose of fertilizer for better growth.</li> <li>Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done.</li> <li>Apply split dose of fertilizer for better growth.</li> </ul>
<b>VEGETABLE CRC</b>	)P		
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.
		5120	4   P a g e

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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	KOLASIB	<ul> <li>The plants are-cut close to the ground.</li> <li>The crop is irrigated lightly for easy digging.</li> <li>Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork.</li> <li>Fingers are separated from mother</li> </ul>
	AMAGMIT	man and	<ul> <li>rhizomes.</li> <li>Wash clumps of rhizomes with water and keep it for sundry.</li> <li>Seed stock will be store from partially dry sample.</li> <li>Cut the rhizome to small pieces for proper drying.</li> </ul>
Early cole crop	Vegetative stage	AIZAWL	<ul> <li>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.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> </ul>
Onion	Vegetative stage	Poly house	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
		(ra)	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Vegetative stage	LAWNGTLAUS	<ul> <li>Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval.</li> <li>Intercultural operations should be done regularly to keep the crop free from</li> </ul>
		1 C L	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Capsicum	Transplant stage	Poly house KOLASIB	<ul> <li>weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after sowing.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> </ul>
Chilli	Vegetative to flowering stage	LUNGLEI	<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Staking should be done.</li> </ul>
Tomato	Transplant stage		<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Staking should be done for better fruit growth.</li> </ul>
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		601	



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



Potato	Vegetative	$\wedge$	<ul> <li>(Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> <li>Earthing up should be done near to</li> </ul>
Totato	stage		<ul> <li>Latining up should be done near to the plant for better growth of tubers and avoid greening of tuber.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use</li> </ul>
ANIMAL HUSBEI	MAMIT	1 2	<ul> <li>straw mulch reduces soil water loss.</li> <li>Apply split dose of nitrogenous fertilizer.</li> </ul>
Pig	All stages	Porcine Reproductive	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>
Cattle	All age group	Respiratory Syndrome (PRRS).	<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the</li> </ul>
		LAWNGTLAUS	<ul> <li>wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> <li>Provide 10-30 ml of vitamin B-Complex</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

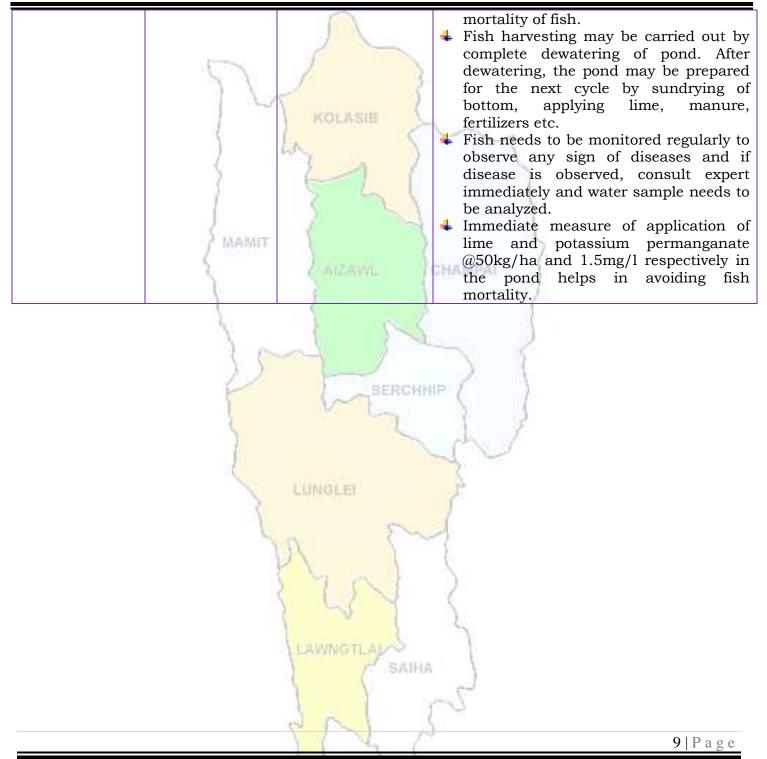


	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> </ul>
Poultry	All age group	LUNGLEI	<ul> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Proper ventilation of shed.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses.</li> <li>Vaccination as per the schedule with proper consultation with vet.</li> <li>Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.</li> </ul>
FISHERY			4 Remove wet litter.
	Monitoring of fish in pond		<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and</li> </ul>
		201	dry place to avoid fungal growth that releases aflatoxin which could lead to 8   P a g e



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

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



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LAWNGTLA SAIHA

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,

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#### **District: Saiha**

Period: 26 January – 30 January, 2018

Bulletin No:	765/2018/	Bulletin/Mizo
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	26	27	27	
Min Temp (°C)	10	11	11	11	12	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	99	97	92	99	74	
Min RH (%)	22	22	24	26	20	
Wind Speed (KmpH)	4	4	3	3	4	
*Wind Direction	E	E	E	E	N-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 Mons						
Aizawl- 18.1mm	Champh	ai- 12.00mm	Saiha- 13.9 m		<mark>b-</mark> 21.4mm	
(11.6mm)		(12.1mm)	(10.01	•	(14.4mm)	
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		nip-17.7mm	
(07.1mm)		(08.7mm)	(09.6n		(12.9mm)	
Weather summary	of the past	26 th January	y – 30 th Janu	ary, 2018 ch	hunga sik	
three day	s	leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):81- Minimum RH (%):43- Wind Direction: East Cloud cover: Clear sk Wind speed: 0-2 km/2 Rainfall: 00.0 mm	0-13°C 90% 54% erly Sy	tura beisei a ni vawh lai ber i berin of 74-999 niin. Thli hi da awi zawngin a hian khawthiar <b>Week</b>	Ang lo awm tur Khua a lum la n 10-12°C ni t % leh a hniam f arkar khatah 3- tleh rin a ni. A t ng tak hmuh be cly cumulative Mildly dr districts of	i berin 26-27°C ura beisei a n lai berin 20-26° 4 km vela chal langpuiin tun r isei a ni. <b>rainfall: 00.0</b> y condition o	2 a ni ang a. A i. RH san lai % ni tur a rin kin chhaklam ni nga chhung <b>mm</b>	
		Antonio agos usos un rea diferencia lano	12		1   P a g e	



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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	5	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	6	6	velah dahkhawm tur ani.
LIME	)	LA.	4 Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	3		4 Leia tha mamawh tawk a hmuh
	E.		theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	L masses a		taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah
PLUM AND	1	AIZAWL	keh tur lakah t a veng thei ani.
PEACH	1	5 V	Kell tul lakali t a velig tilel alli.
	1	Gummosis, citrus	<b>4</b> Temperture hniam lutuk leh hnawng vang
	Sec. 1	canker, citrus	hian natna a a tam duh a . Soil bome natna
	) 6	greening and	laka vennan Bordeaux past hi thing zar leh
	1.5	Dieback	a trangah te hnawih tur ani.
	2	Fruit fly RCHH	🔸 Huan zau takah chuan a par tan tirh leh a
	1	V	rah tan tirin chawlhkar hnih chhung chu
	5		heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR	OP	1	
COFFEE	All stages	FRIADERS.	Nursery stage
		-	+ Thlai chi thlak hma in Azospirillum leh
	<u></u>	K 8~	Phosphobacterium a enkawl tur ani.
			🔸 A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	Nitin tui pek tur ani a, a sat lutuka loh 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.
	<u> </u>	2010	bag an an sawn childar ich unn dill.
		V V M	2   P a g e
			2   1 a g c

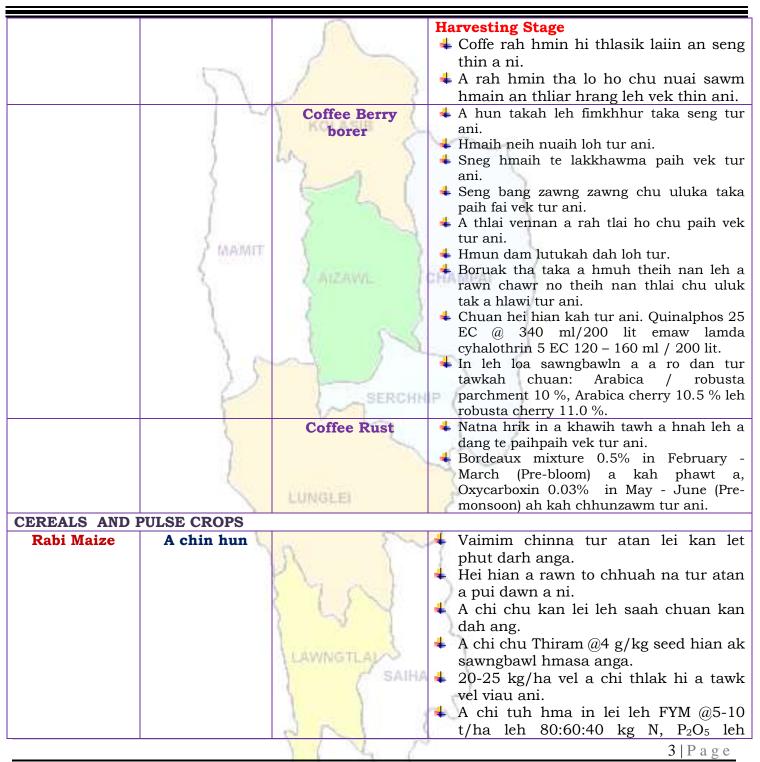


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	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and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



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



Onion and capsicum       Nursery stage       Poly house <ul> <li>Thiai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>Thai ulamen nan thiai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thai ula uwn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul> Phytopthora blight <ul> <li>A chi veri that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi at hale ani.</li> <li>Thi bi bula hning akhuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>Carrot and radish</li> <li>Sowing stage</li> <li>A than a that theih nan nikhat danah tui pek hnin a tur ale hnin to loh na tur a kung bulah lei vur chhoh zel tur ani.</li> <li>Thia pa hlmaah hning akhuh tur ani a. than a that theih nan nikhat danah tui pek hin at ha thai bul vawn hnawn na tur ai.</li> <li>Tui pek huaah thai bul vawn hnawn na tur aim ani.</li> <li>Tui pek huaah thai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi eh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>				
capsicumtui pek thin tur ani.CapsicumItin tur ani.Itin tur ani.Thia bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.Itin tur ani.Thia bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.Itin tur ani.Thia bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.Itin tur ani.Thia bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.Itin tur ani.Phytopthora blightItin tur ani.A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4gt metalaxyl 4g (Apron)/ kg seed hi a tha hle ani.Itin tur ani.A chi ven that nan thiram 3g/kg seed emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.Itin tur ani.Tui pek a hnihnah hringa khuh tur ani. a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. 4 A than duna theih nan leh hnim to loh na tur ani.Itin tur ani.A than a that theih nan nikhat danah tui pek hinau thai bul vawn hnawn na tur siam tur ani.Itin 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.Itin tur ani.Tha in alm chi leh zikhlum lam chi reng reng enkawl nan Mancozzeb @ 2gm ah tui leter 1 pawlha kah tur ani.	Onion and	Nursery stage	Poly house	<ul> <li>ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stageHneh taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing stage4 Tui pek à hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 A than duna theih nan leh hnim to loh na turi na kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Carrot and radishSowing stage4 A than a that theih nan nikhat danah tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui 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 pawlha kah tur ani.				<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha</li> </ul>
<ul> <li>Carrot and radish</li> <li>Sowing stage</li> <li>A than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
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	LUNGLEI	<ul> <li>a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>4 A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
		Sowing stage		<ul> <li>tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			601	)



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



#### ICAR RESEARCH COMPLEX FOR NEH REGION



	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /liar tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>Ranikhet</b> Disease- an pian atanga n
	measures	la S	1-6 ah F1 vaccine pek tur ani a, chuar
	1	~~~ )	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
	1		B complex with antibodies
		4 th weeks	<b>Coccidiosis</b> - Amprolium o
	FINAMIT		coccidiostat
	7 1022003	4-5 th Weeks	+ Calcium tonic fortified with $B_{12}$
FISHERY	1	( AIZAWIL )	CHAMPAL
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.</li> </ul>
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		4	7   P a g e



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

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



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**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: 26 January – 30 January, 2018

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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	26	27	27
Min Temp (°C)	10	10	10	11	11
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	19	22	27	26	23
Wind Speed (KmpH)	3	4	2	0	2
*Wind Direction	E	E	E	E	N-E
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Vesterly- <mark>S-W</mark> , We			
Status of Post Mons					
Aizawl- 18.1mm	Champha	ui- 12.00mm	Saiha- 13.9 m		<b>o- 21.4mm</b>
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)
Lawngtlai-06.4mm	Lungle	<mark>i-07.4mm</mark>	Mamit-24.3m		<b>ip-17.7mm</b>
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)
Weather summary		Weather fore		n 26 th January	, 2018 To
three day		<b>30thJanuary, 2018.</b>			
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):84- Minimum RH (%):51-0	1-13ºC /	There are no chances of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 8-10°C. Maximum relative humidity is expected in the range of 100% and minimum			
Wind Direction: Easter Cloud cover: Clear sk Wind speed: 1-2 km/	erly y hr	may from 19-2' northeasterly wi Clear sky will pr	7%. Wind dire ith the wind s	ection would b speed of 0-3 k	e easterly to m per hour.
Rainfall: 00.0 mm		Weekl	y cumulative	r <mark>ainfall:</mark> 00.0 1	mm
NDVI for Mizoram		Perfit Exit Region 21 Jan 2017	districts of	condition oc Mizoram.	curs in all
		112	12		1   Page



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

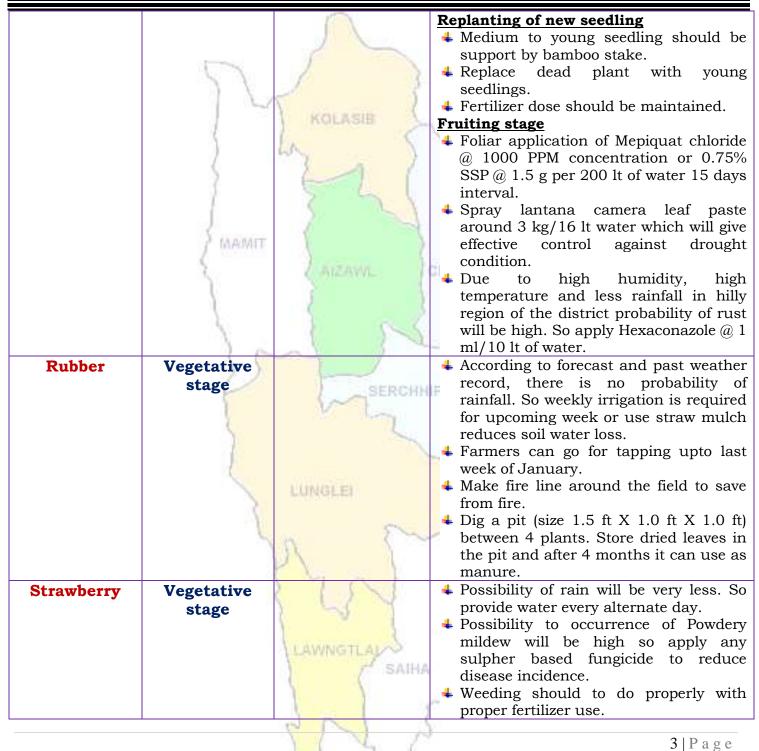


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS			·			
KHASI MANDARIN AND ACID LIME	Harvesting stage		<ul> <li>According to forecast and past weather record, there is no probability of rainfall.</li> <li>So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> </ul>			
BANANA	1	525	<ul> <li>First harvest can be done 5 to 6 years after planting.</li> <li>Fruits are harvested when they attain</li> </ul>			
STAR FRUIT	{ MAMIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.			
PLUM AND PEACH	25	L N	<ul> <li>Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains.</li> <li>Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C &amp;</li> </ul>			
	T	SERCH	<ul> <li>90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.).</li> <li>Diseased and senile branches should be removed.</li> </ul>			
	2	Fruit fly LUNGLEI	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.			
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.			
	PLANTATION CROP					
COFFEE	Fruiting stage	SAIHA	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.			
		11X A	2   P a g e			



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



CEREALS AND P	CEREALS AND PULSE CROPS					
Rabi Maize	Tassle formation stage	15	<ul> <li>Irrigation should be provide 3 days interval</li> <li>Apply 2% urea solution for better growth.</li> </ul>			
		KOLASIB	<ul> <li>Weeding should be carried out.</li> <li>Provide irrigation twice in a week or grow any cover crop in surface of the soil.</li> <li>Leaf and stem cutter insect will be more so apply any contact poison for reducing pest population.</li> </ul>			
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>			
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done.</li> <li>Apply 2% urea solution to avoid stress condition.</li> </ul>			
Zero tillage Toria	Flowering stage	Zero tillage	<ul> <li>Possibility of rain will be very less. So provide water every alternate day.</li> <li>Apply split dose of fertilizer for better growth.</li> <li>Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done.</li> <li>Apply split dose of fertilizer for better growth.</li> </ul>			
VEGETABLE CRO	VEGETABLE CROP					
Ginger and turmeric	Harvesting stage		Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down.			
		YN C	4   P a g e			



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>The plants are-cut close to the ground.</li> <li>The crop is irrigated lightly for easy digging.</li> <li>Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork.</li> <li>Fingers are separated from mother rhizomes.</li> <li>Wash clumps of rhizomes with water and keep it for sundry.</li> <li>Seed stock will be store from partially dry sample.</li> <li>Cut the rhizome to small pieces for</li> </ul>
	MAMT		proper drying.
Early cole crop	Vegetative stage	AIZAWL	<ul> <li>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.</li> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> </ul>
Onion	Vegetative	Poly house	<b>4</b> Intercultural operations should be
	stage		<ul> <li>done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
		(rs)	<ul> <li>Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> </ul>
French bean	Vegetative stage	LAWNGTLAU	5
	Jugo	121	<ul> <li>be done 2 days interval.</li> <li>Intercultural operations should be done regularly to keep the crop free from</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		0	weeds and aeration of the root system.
		2	<ul> <li>Remaining quantity of nitrogen is applied 30-40 days after sowing.</li> </ul>
Capsicum	Transplant stage	Poly house KOLASIB	<ul> <li>Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Remaining quantity of nitrogen is applied 30-40 days after transplanting.</li> <li>Provide irrigation if water is require.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWAL	<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> </ul>
Chilli	Vegetative to flowering stage		<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Staking should be done.</li> </ul>
Tomato	Transplant stage		<ul> <li>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.</li> <li>Interculture operation should be done near to the base of the plant.</li> <li>Fertilizer application in split dose of recommended dose.</li> <li>Staking should be done for better fruit growth.</li> </ul>
		Damping off	Seed treatment with thiram 3g/kg seed on Trichoderma viride 4g+ metalaxyl 4g
		PN A	<b>6</b>   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Potato	Vegetative	$\wedge$	<ul> <li>(Apron)/ kg seed</li> <li>Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.</li> <li>Earthing up should be done near to</li> </ul>
Fotato	stage		the plant for better growth of tubers and avoid greening of tuber.
	MAMIT	mg had	<ul> <li>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.</li> <li>Apply split dose of nitrogenous fertilizer.</li> </ul>
ANIMAL HUSBE		1 017.0100	
Pig	All stages	SERCHN	<ul> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> </ul>
	2		<ul> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> </ul>
	Z	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Culling of positive pigs or piglets.
Cattle	All age group		<ul> <li>In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised.</li> <li>Provide UMB/Molases if possible in the feed</li> </ul>
			Provide 10-30 ml of vitamin B-Complex
		6 N 7	710000
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

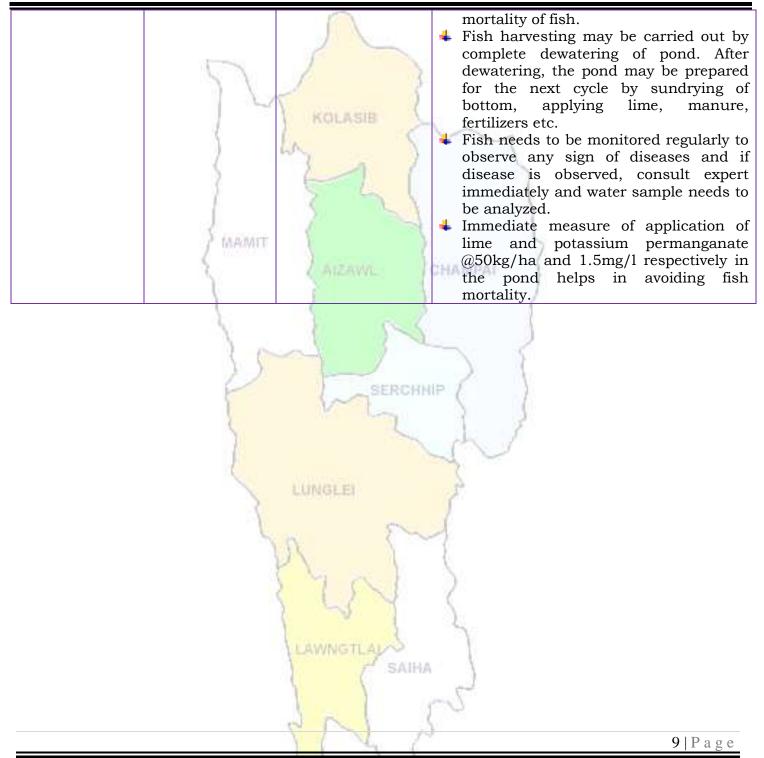


Poultry	All age group	KOLASIB	<ul> <li>in feed</li> <li>1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision.</li> <li>Separate sick animals.</li> <li>The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves.</li> <li>Long hair near the udder/stomach/back legs should be teamed short.</li> <li>Provide preventive dose of anti-coccidial drugs to poultry.</li> <li>Provide glucose/electral along with vitamin supplements (@5- 6ml/100</li> </ul>
	Z	SERCHH	<ul> <li>birds) with adequate potable water</li> <li>Avoid overcrowding.</li> <li>Provide broad-spectrum antihelminthic drugs under vet supervision and recommended deser</li> </ul>
FISHERY	3		vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond		<ul> <li>Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding.</li> <li>Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to</li> </ul>
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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD, Guwahati)



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#### **District:** Serchhip

Period: 26 January – 30 January, 2018

<b>Bulletin No:</b>	- 765/2018/	Bulletin/Mizo
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Date of issue: 25th January, 2018

Parameters	26.01.2018	27.01.2018	28.01.2018	29.01.2018	30.01.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	27	27	26	27	27	
Min Temp (°C)	10	10	10	11	11	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	19	22	27	26	23	
Wind Speed (KmpH)	3	4	2	0	2	
*Wind Direction	E	E	E	E	N-E	
Northe	rly- N, North-H	Casterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark>	,	
		/esterly- <mark>S-W</mark> , We				
Status of Post Mon						
Aizawl- 18.1mm	Champha	i- 12.00mm	Saiha- 13.9 m		ib- 21.4mm	
(11.6mm)		(12.1mm)	(10.0n	· · · · · · · · · · · · · · · · · · ·	(14.4mm)	
Lawngtlai-06.4mm	Lunglei	-07.4mm	Mamit-24.3m		hip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m	*	(12.9mm)	
Weather summary		26 th January	– 30 th Janua	a <b>ry, 2018 c</b> l	hhunga sik	
three day	s	leh	sa dinhmun	tur tlangp	ui	
Maximum Tem. (°C):2	21-24°C /	ſun ni 5 chhur				
Minimum Tem. (°C):1			0			
Maximum RH (%):84-		tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A yawh lai ber in 8-10°C ni tura beisei a ni. RH san lai berin				
Minimum RH (%):51-0	C = 0/	100% leh a hniam lai berin 19-27% ni tur a rin niin. Thli				
Wind Direction: East		hi darkar khatah 0-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.				
Cloud cover: Clear sk	37					
Wind speed: 1-2 km/						
	1	nian khawthiang	g tak nmun bei	sei a ni.		
Rainfall: 00.0 mm						
		Weekl	y cumulative	rainfall: 00.0	)mm	
NDVI for Mizoram		North East Region 29 June 2017		wet mildly d	lry/mildly wet	
		~	conditions			
			ner er e			
			-			
		-B 1				
		Aphabian regard to good over most of the parts literature da Traces and insighting withings moderne regard to noticed in shiftle region.	-			
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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			·
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.
LIME	)	LA.	4 Thlai naupang deuah chuan chawlh
	(	1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> 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 site site site site site site site	<b>4</b> 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
		$\gamma$ ( $\sim$	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
			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.
			<ul> <li>Nitin tui pek tur ani a, a sat lutuka loh</li> </ul>
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
		1 1	<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
I		N N S	
		VIL M	2   P a g e

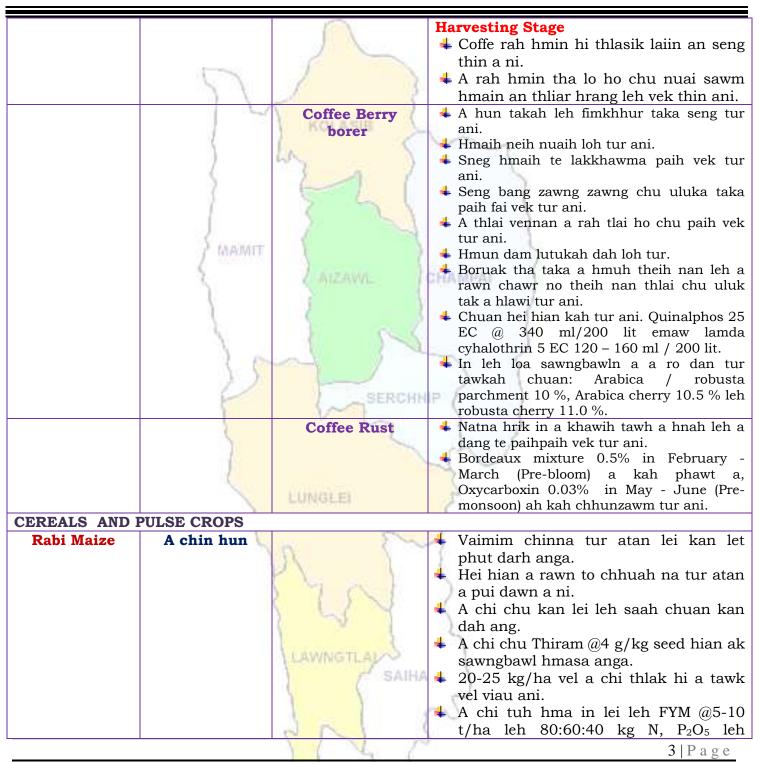


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	2	$\sum$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and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



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	<ul> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul>
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
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	5	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /li tha tak leh tui thianghlim tak pek t ani.</li> <li>Chaw a hmuar/thing pek loh tur ani an chaw eitur thlak sak thut loh t ani.</li> </ul>
	Preventive	0-3 rd week	<b># Ranikhet</b> 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	<b>4 Coccidiosis</b> - Amprolium
	AMAMIT	4 1941 177 1	coccidiostat
	2. 00850203	4-5 th Weeks	$\downarrow$ Calcium tonic fortified with B ₁₂
FISHERY	1	( AIZAWIL )	CHAMPAI
	Monitoring (Sangha enkawl)		<ul> <li>tur an a, ninuar atang a tur to insea thin, aflatoxin avang a sangha thi l atangin sangha a him phah thin.</li> <li>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.</li> <li>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.</li> <li>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.</li> </ul>
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