

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

ilai Period: 11 March – 15 March, 2017

Bulletin No: - 682/2016/ Bulletin/Mizo

Date of issue: 10th March, 2017

		1.1					
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017		
Rainfall (mm)	10	35	7	0	0		
Max Temp (°C)	25	25	25	27	28		
Min Temp (°C)	14	14	14	12	12		
Cloud Coverage	Mainly clear	Partially clear	Partially clear	Clear sky	Clear sky		
Max RH (%)	87	97	95	68	48		
Min RH (%)	37	68	82	32	16		
Wind Speed (KmpH)	5	5	5	6	6		
*Wind Direction	Е	S-E	E	N-E	N-E		
Northe	rly- N, North-I	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	·		
Souther	ly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
STATUS OF MONSO	OON- June 1-3	0, 2016 (Percent	of deviation fr	om normal in p	arenthesis)		
Aizawl- 384.87mm	Champhai	- 105.48mm	Saiha- 307.40 n	nm Kolasib-	236.00mm		
(430.2mm)	_	(359.89mm)	(507.7r	nm)	(428.1mm)		
Lawngtlai-291.20mm	Lunglei-	326.00mm	Mamit-204.87n	nm Serchhip	-411.72mm		
(453.1mm)	(465.14mm)	(442.80r	nm)	(259.62mm)		
Weather summary	of the past	11 th March-	15 th March.	2017 chhun	ga sik leh		
three day	s		a dinhmun t		8		
Maximum Tem. (°C):2					-:		
Minimum Tem. (°C):2 Minimum Tem. (°C):1		Tun ni 3 chhur	0				
Maximum RH (%):85-		tura beisei a ni.			0		
Minimum RH (%):34-		vawh lai ber in					
Wind Direction: East		berin 48-97% le					
Cloud cover: Clear sk		niin. Thli hi dar					
Wind speed: 4-5 km/		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed. +•• kin/	1	hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 08.2 mm							
		Weekl	y cumulative	rainfall: 52.0r	nm		
NDVI for Mizoram		North East Region 02 February	²⁰¹⁷ Moderately	wet mildly dr	v/mildlv_wet		
		53	anditiona	wet minuty ut	y main y wee		
			ckground				
			1				
		0.5-0.6	} Very G				
		Agriculture vigour is moderate over most of the parts in	North-				
		Eastern states, whereas few patches in Assam, Manipu Arunachal Pradesh shows good vigour.	ur and				
		612	2		110		
					1 Page		



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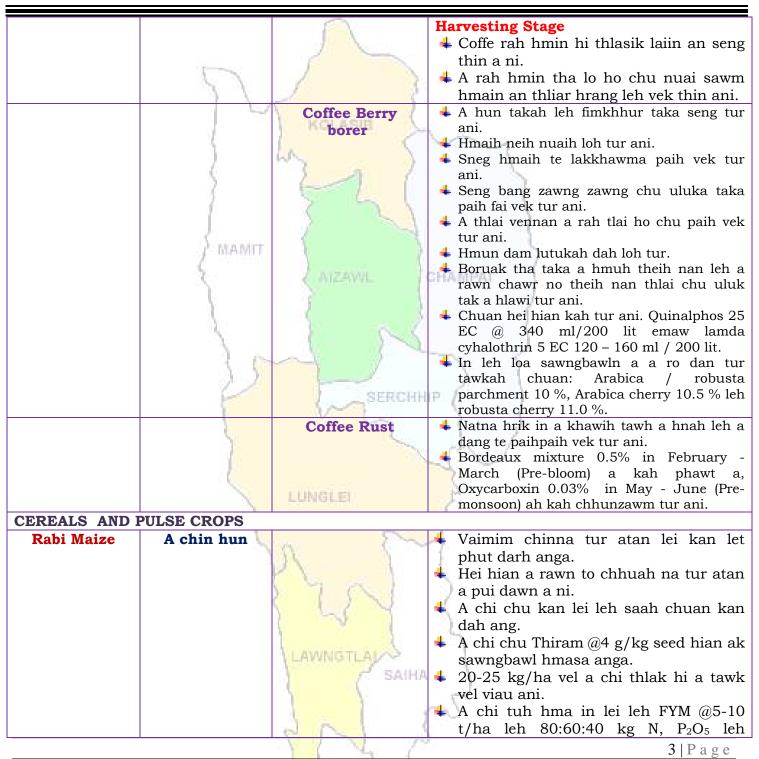


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		noundin >	velah dahkhawm tur ani.
LIME	1	LA. N	4 Thlai naupang deuah chuan chawlh
	6	3 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	1	taka pek hian a rah tla tur chelh nan
	2	A AIZAWIL	leh a rah than that nan te leh a rah
PLUM AND		2	keh tur lakah t a veng thei ani.
PEACH			
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	1	greening and Dieback	a trangah te hnawih tur ani.
	12		
	6	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
		V Lan	heng te hian enkawl tur ani: carbaryl 0.2
	Sec		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	10		10 g/l.
PLANTATION CR	2.		
COFFEE	All stages		Nursery stage
	Y	-	+ Thlai chi thlak hma in Azospirillum leh
	~	6 2~	Phosphobacterium a enkawl tur ani.
		A A	📕 A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 55 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	Nitin tui pek tur ani a, a sat lutuka loh non niin a abhun loh non sor bliab tur
		7 SAIHA	nan niin a chhun loh nan zar hliah tur ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		X 17 7	210
			2 P a g e



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Soybean, pea, lentil toria, breen gram and black	All stage	Zero tillage	 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani.
gram cultivation in rice fellow	AMAMIT	1 2	Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CRO	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLA	 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
		512 1	4 P a g e



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Onion and capsicumNursery stagePoly houseThiai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozet @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thiai bul vawn hnawn nana thlai bulk hnim ring vawm khawm hi tui pek zawhah dah tur ani.Thiai bul vawn hnawn nana thlai bulk hnim ring vawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightPhytopthora blightA chi ven that nan thiram 3g/kg seed (Apron/ kg seed hi a tha hle ani.French bean radishSowing stageThi pek a hnihnah hringa khuh tur ani. a. than a that theih nan tui pek hina tur ani.Carrot and radishSowing stageTui pek a hnihnah hringa khuh tur ani. tur ani.Carrot and radishSowing stageA than a that theih nan leh hnim to loh na turi a a kung bulah lei vur chhoh ze tur ani.Charot and radishSowing stageA than a that theih nan nikhat danaf tui pek hina tur ani. tur ani.Charot and radishSowing stageA than a that theih nan leh hnim to loh na turi a kung bulah lei vur chhoh ze tur ani.Thia in ha a hat theih nan leh hnim to loh na turi an hath thi bul vawn hnawr na tur siam tur ani.A than a that theih nan sikhat danaf tui pek hinau thai bul vawn hnawr na tur siam tur ani.Thi pek hinau tur ani.Thi pek hinau thiai bul vawn hnawr na tur siam tur ani.Thi pek hinau thia bul vawn hawr na tur siam tur ani.Thi pek hinau thiai bul vawn hawr na tur siam tur ani.Thi pek hinau thi an thi an tur ani.Thi pek hinau tha	ICAR			
capsicumtui pek thin tur ani.capsicumImage of the second secon	Onion and		KOLASIB	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah
BightBightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron/) kg seed hi a tha hle aniFrench beanSowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stageImage: Carrot and radishSowing stageLawNGTLASowing stageImage: Carrot and radishSowing stageCarrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishCarrot and radishSowing stage<			AIZAVIL	 Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh ze tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawr 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 		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. 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 chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
		Sowing stage	LAWNGTLAN	 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			6 M 2	

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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	{ 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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	Preventive measures	0-3 rd week	+	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or
		H- WEEKS	-	coccidiostat
	J' MAMIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	ANZAWIL	CHA	IMPA1
	Pond preparation (Dil buatsaih)	0-2 weeks		Dil buatsaihnan a tihtur pawimawh tak chu dil mawng phoro a lehphut deuh ani a, chu chuan dil mawng lei a boruak chhia chambangte a chhuahtir thin Dil mawng lei thur leh thurloh entir a, a thurdan a zirin chinai phul thin tur ani. Chu chuan tui thur a siam tha mai nilovin natna lak atangin sangha te a veng theiin, calcium an hmuhnan a thil tha tak ani bawk Dil a hnimhnah leh bawlhhlawh awmte thenfai vek hian dil boruak chhetur lak atangin a veng a, sangha tan a hlauhawm leh tibuaithei rannung lak atangin a veng thei bawk
		LAWNGTLAK		7 P a g e



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LAWNGTLA SAIHA

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(Prepared based on District wise Weather Forecast received from IMD,





District: Lunglei

Period: 11 March - 15 March, 2017

Bulletin	No: -	682	/2016/	Bulletin	/English
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Date of issue: 10th March, 2017

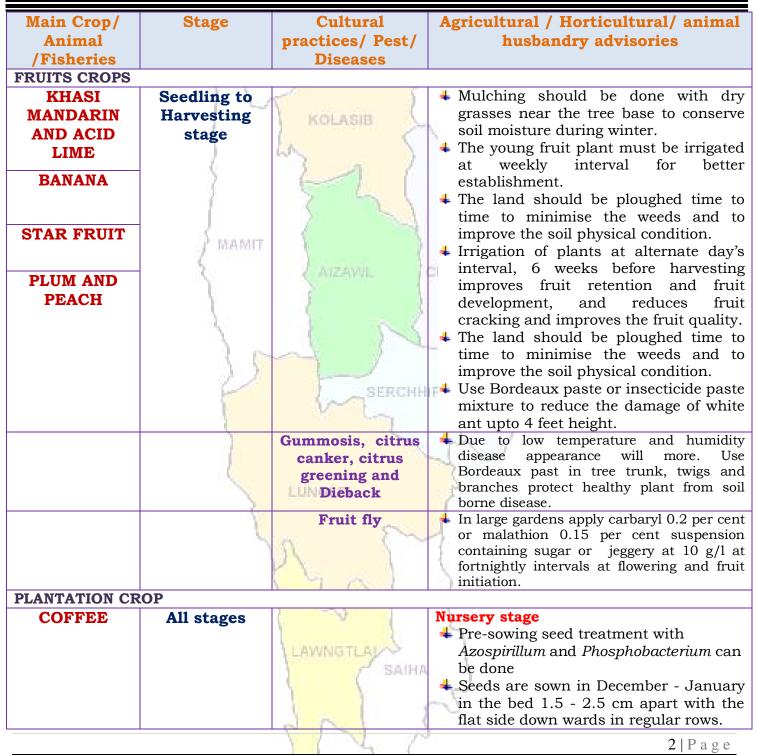
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Min Temp (°C)	20	20	19	16	15	
Cloud Coverage	Mainly clear	Partially clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	97	99	98	77	51	
Min RH (%)	44	65	88	33	17	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	S-E	E	N-E	E	
Northe	rly- <mark>N</mark> , North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
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(453.1mm)		(465.14mm)	(442.80n	nm)	(259.62mm)	
Weather summary	of the past	Weather foreca	ast valid from	11 th March, 20)17 To 15th	
three day	S		March, 2	2017.		
Maximum Tem. (°C):2	21-24°C	There are chanc	es of moderate	e to heavy and	light rainfall	
Minimum Tem. (°C):1		during the next		0	0	
Maximum RH (%):89-	98%	temperatures for the next 5 days may range for 22-29°C				
Minimum RH (%):36-	74%	and 15-20°C. Maximum relative humidity is expected in				
Wind Direction: Sout	heasterly	the range of 51		•	-	
Cloud cover: Mainly of	clear	Wind direction		•		
Wind Speed: 3-4 km/	hr			2	.	
		easterly to north	2	0		
Rainfall: 7.4 mm		of 4 km per hour	r. Partially clea	r sky will preva	all during the	
		next five days.				
				rainfall: 47.0 1		
NDVI for Mizoram		North East Region 02 February 2017	J J	wet mildly dr	y/mildly wet	
		- <0.2 bare soil backgrou	/wet conditions			
			oderate			
		Agriculture vigour is moderate over most of the parts in North				
		Agriculture vigour is moderate over most of the parts in North Eastern states, whereas few patches in Assam, Manipur an Arunachal Pradesh shows good vigour.	d			
		612	13		1 D	
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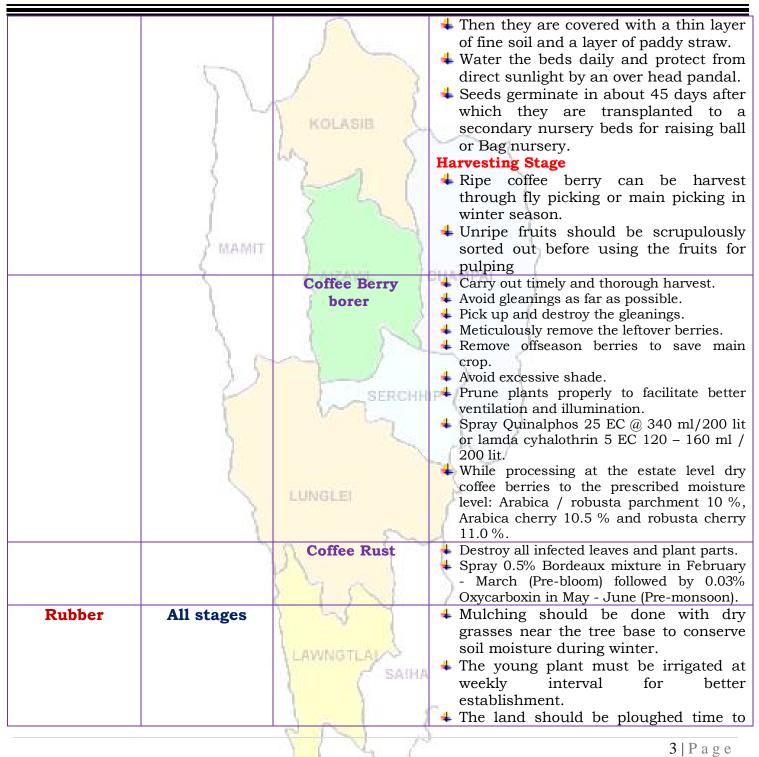




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ICAR			
	5	\sum	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
CEREALS AND H		KOLASIE V.	
Maize (<i>Jhum</i>)	Land preparation	La E	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry.
Rabi Maize	vegetative stage MAMIT	AIZAWA	 Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low temperature. Apply Mancozeb Kg/ha for effective control. Remove the alternate host Oxalis comiculata.
Potato	Vegetative growth stage	LUNGLEI	 Light irrigation on every alternate day may be given for better establishment and smooth growth. Earthing up soil for better aeration of root growth. If irrigation is not available keep grass and dry leaves as mulch.
VEGETABLE CRO			
Tomato	Harvesting stage	LAWNGTLAL	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as a mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt HA	 Prevailing weather may conducive for blight in Tomato. Cloudy and humid weather is most favorable for the disease.
		K 1 2 1	



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	1 2000	\sum	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	 High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease. Burn all infected leaves. Apply sulfur 5 kg/hectare. Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	 Harvest all mature fruits in capsicum.
	2	Phytopthora blight LUNGLEI	 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	Harvesting stage	AT	 Harvest all mature fruits and keep the seeds dry. Store the seeds for next year sowing.
Carrot and radish	Harvesting stage	1 w	 Light irrigation on every alternate day may be given for better establishment and smooth growth. Harvest all mature plants.
Cowpea	Sowing stage	LAWINGTLAUS	✤ Plough the field properly, at least 2-3
		SN 2	5 P a g e



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		2	Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	16 18	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 1.5	in nursery bed.	4 Before sowing seed provide one or two
		Provide	irrigation.
	1	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	
		okra field.	
Ginger and	Land		4 Remove all weed plant from the
turmeric	preparation		selected place.
	1)		4 Keep the plant, leaves and wood for
	/ MAMIT		dry.
			🗕 Burn it when it will be dry.
ANIMAL HUSBE			A the method acts colden your give?
Pig	All stages	5	As the weather gets colder, your pigs' energy requirement will increase, as
	2	1 38.7	they need more energy to keep warm.
			Regularly monitor their level of 'fitness'
	2.0	~ 1	and increase their feed intake to
	1.2		maintain.
	8	SERCHH	Fish oils are excellent for providing
		V Las	slow-release energy with the added
	(advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	ph.
	3	Syndrome	6
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		21	months and yearly interval/6 month
0.441	A 11	1 A A	interval
Cattle	All age group		• Due to prolong dry spell there is a
			shortage of green grass in the field.
			For balanced diet and nutrition to your cattle, provide urea molasses
		LAWNGTLA	treated paddy straw.
		Foot and Mouth	
	All age group	Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		DISCASC (FIND)	
		6121	61Do o o
		1 4 6	6 P a g e



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	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	Toung Stage	(BQ)	 Primary vaccination 6 month or above
		(Del	 Revaccination annually
Poultry	Litter	1	♣ Birds require adequate space, sufficient
rountry		1 1	feed to meet their nutritional
	management	1	requirements and an adequate supply
		KOLASIB	of good-quality water.
	4	1. 0	4 Good management and sanitation are
)	NS (2)	the best ways to avoid infectious
	5		disease in poultry.
	1		+ Provide ample quantity of clean
	1	(A)	drinking water.
	1		4 Avoid feeding of mouldy feed. Don't
	/ MAMIT		make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	measures	S MESANE 1	days of birth and R_2B vaccine for adult
		5	birds.
	1	S	🖊 B complex with antibodies
	1	4 th weeks	4 Coccidiosis- Amprolium or
	2 0	~ 1 ~	coccidiostat
	3.3	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	6	SERCHH	iP (
	Pond	0-2 th weeks	+ Drying and tilling of the pond bottom is
	preparation	1	an important step in preparation of
			pond which enables release of toxic
			gases from the pond bottom.
		LUNGLEI	4 The pH of the pond bottom soil needs
	5		to be tested and appropriate quantity of
	1	0	lime should be applied depending on
		A (~~	the soil pH. Liming not only helps in
			correcting the pH but helps in
		MAN A	preventing disease as well as acts as a
			source of calcium for the fishes.
			Complete eradication of aquatic weeds
			helps in avoiding deterioration of pond
		LAWNGTLAL	environment and protecting fishes from
		- SAIHA	unwanted fishes and aquatic insects.
		1	-1
			2
		201	
		VIL /	7 P a g e



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LAWNGTLA SAIHA

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



District: Lunglei

Period: 11 March - 15 March, 2017

Bulletin No: - 682/2016/ Bulletin/Mizo

Date of issue: 10th March, 2017

		- 1 200				
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017	
Rainfall (mm)	14	25	8	0	0	
Max Temp (°C)	29	26	22	28	29	
Min Temp (°C)	20	20	19	16	15	
Cloud Coverage	Mainly clear	Partially clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	97	99	98	77	51	
Min RH (%)	44	65	88	33	17	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	S-E	E	N-E	E	
Northe	rly- N, North-I	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-W	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO	OON- June 1-3	0, 2016 (Percent	of deviation fr	om normal in p	arenthesis)	
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm	
(430.2mm)		(359.89mm)	(507.7r	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm	Mamit-204.87n	nm Serchhip	-411.72mm	
(453.1mm)		465.14mm)	(442.80r	nm)	(259.62mm)	
Weather summary	of the past	11 th March-	15 th March.	2017 chhun	ga sik leh	
three day	s		dinhmun t		8	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):89-	2-15°C	Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 22-29°C a ni ang a. A vawh lai ber in 15-20°C ni tura beisei a ni. RH san lai				
Minimum RH (%):36-	H 40/	berin 51-99% le				
Wind Direction: Sout	hoostorly	niin. Thli hi dark				
Cloud cover: Mainly o						
Wind Speed: 3-4 km/	nr	zawngin a tleh i			nga cnnung	
		hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 7.4 mm		TTT1-1				
		νεεκι	y cumulative	rainfall: 47.0r	nm	
NDVI for Mizoram		North East Region 02 February	²⁰¹⁷ Moderately	wet mildly dr	v/mildly wet	
			<pre>work of the second second</pre>		<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Manipu Arunachal Pradesh shows good vigour.				
		6151	A		110	
					1 Page	



ICAR RESEARCH COMPLEX FOR NEH REGION

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KHASI MANDARIN AND ACID LIME A kui atanga a seng hun + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring dlai bul velah dahkhawm tur ani. BANANA - Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. - Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. STAR FRUIT - Mammolian - Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. PLUM AND PEACH - Gummosis, citrus canker, citrus greening and Dieback - Temperture hniam lutuk leh hnawng vang hian natna a tam duh a. Soil bore natna a tam turi chawlhkar hnih chhung chu heng te hian enkawl tur ani. PLANTATION CROP - Truit fly rettif VOFFEE - Thlai chi thlak hma in Azospirillum leh Phosphotacterium a enkaut tur ani. PLANTATION CROP - All stages - Thlai chi thlak hma in Azospirillum leh Phosphotacterium a enkaut tur ani. VIII schi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani. - Chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani. • Nitin tui pek tur ani a, a sat lutuka loh man inin a chhun loh nan zar hliah tur ani. - Nitin tui pek tur ani a, a sat lutuka loh man inin a chhun loh nan zar hliah tur ani.				
/Fisheries Diseases FRUITS CROPS A kui atanga a seng hun A kui atanga a seng hun + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. BANANA a seng hun	_	Stage	Cultural	Agricultural / Horticultural/ animal
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KHASI MANDARIN AND ACID LIME A kui atanga a seng hun + Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring dlai bul velah dahkhawm tur ani. BANANA - Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. - Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. STAR FRUIT - Mammolian - Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. PLUM AND PEACH - Gummosis, citrus canker, citrus greening and Dieback - Temperture hniam lutuk leh hnawng vang hian natna a tam duh a. Soil bore natna a tam turi chawlhkar hnih chhung chu heng te hian enkawl tur ani. PLANTATION CROP - Truit fly rettif VOFFEE - Thlai chi thlak hma in Azospirillum leh Phosphotacterium a enkaut tur ani. PLANTATION CROP - All stages - Thlai chi thlak hma in Azospirillum leh Phosphotacterium a enkaut tur ani. VIII schi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani. - Chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tur munal tak siam in chin tur ani. • Nitin tui pek tur ani a, a sat lutuka loh man inin a chhun loh nan zar hliah tur ani. - Nitin tui pek tur ani a, a sat lutuka loh man inin a chhun loh nan zar hliah tur ani.	/Fisheries		Diseases	
MANDARIN AND ACID LIME a seng hun Image: Classing for the send of	FRUITS CROPS		I	1
MANDARIN AND ACID LIME a seng hun KOLASIE BANANA Image: Star FRUIT Image: Star FRUIT STAR FRUIT Image: Star FRUIT Image: Star FRUIT PLUM AND PEACH Image: Star Fruit Fruit fly control for the star	KHASI	A kui atanga	2	
AND ACID LIME BANANA BANANA STAR FRUIT PLUM AND PEACH PLANTATION CROP COFFEE All stages All	MANDARIN	and the second se	MAL ACID	vennan chuan hnim hnah hring tlai bul
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STAR FRUIT MAMIT A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani. PLUM AND PEACH Gummosis, citrus canker, citrus greening and Dieback Temperture hniam lutuk leh hnawng vang hian natna a ta m duh a . Soil bome natna a laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani. Fruit fly RCH Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlikar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l. PLANTATION CROP All stages Nursery stage COFFEE All stages Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. COFFEE All stages Nursery stage MINIT Huan zau taka thua a sat lutuka loh nan zar hiah itur ani. Nitin tui pek tur ani a, as sat lutuka loh nan zar hiah tur ani. Nitin tui pek tur ani a, as sat lutuka loh nan zar hiah tur ani.		6	3 1	
STAR FRUIT Image: Construct of the second secon	BANANA	1		
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Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			/ SAIHA	
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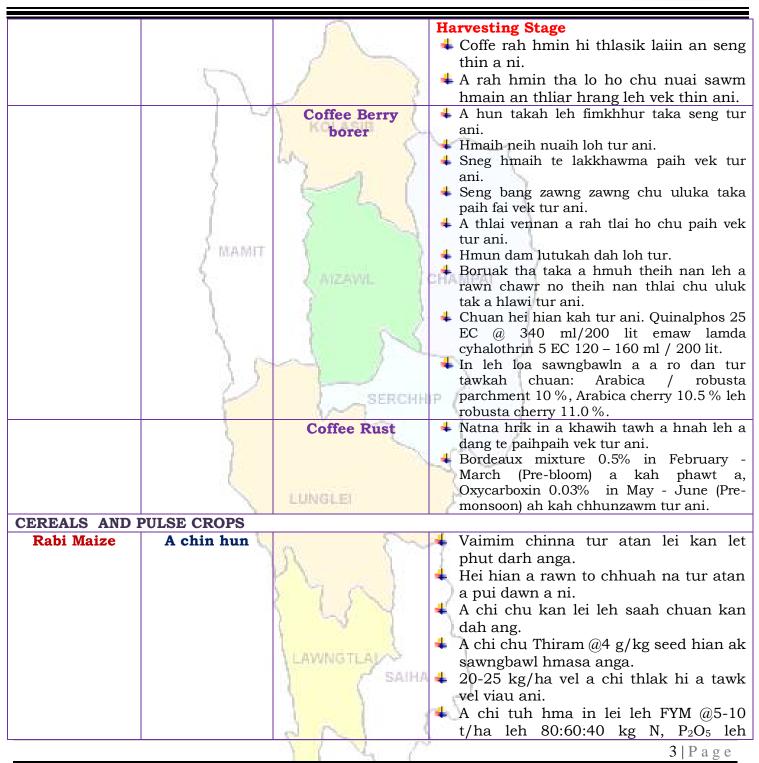


ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)







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Soybean, pea, lentil toria,	All stage	Zero tillage	 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah tui pek thin tur ani.
breen gram and black gram cultivation in rice fellow	AMAMIT	The for	 Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAVIL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI	 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
		617 4	4 P a g e



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



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



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	Preventive	0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	measures	222	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	E MAMIT	4 th weeks 4-5 th Weeks	 Coccidiosis- Amprolium or coccidiostat Calcium tonic fortified with B₁₂
FISHERY			CHAMPAI
FISHERI	Pond preparation (Dil buatsaih)	0-2 weeks	 Dil buatsaihnan a tihtur pawimawh tak chu dil mawng phoro a lehphut deuh ani a, chu chuan dil mawng lei a boruak chhia chambangte a chhuahtin thin Dil mawng lei thur leh thurloh entir a a thurdan a zirin chinai phul thin tur
			 ani. Chu chuan tui thur a siam tha ma nilovin natna lak atangin sangha te a veng theiin, calcium an hmuhnan a thi tha tak ani bawk Dil a hnimhnah leh bawlhhlawh awmte thenfai vek hian dil boruak chhetur lak atangin a veng a, sangha tan a hlauhawm leh tibuaithei rannung lak atangin a veng thei bawk
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LAWNGTLA SAIHA

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(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Mamit

Bulletin No: - 682/2016/ Bulletin/English

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Period: 11 March - 15 March, 2017

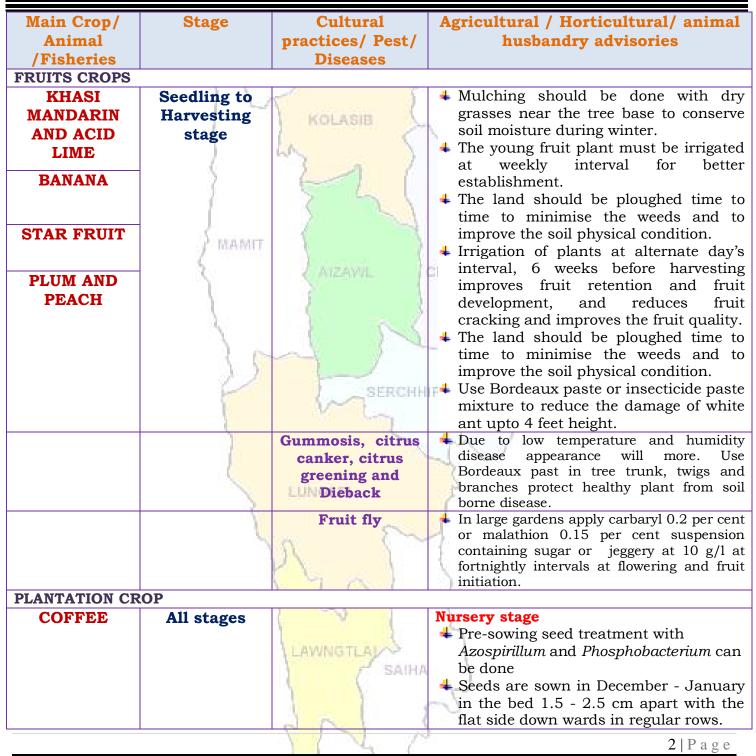
Parameters 11.03.2017 12.03.2017 13.03.2017 14.03.2017 15.03.2017 Rainfall (mm) 17 67 6 0 0 Max Temp (°C) 28 26 23 28 29 Min Temp (°C) 20 21 19 14 12 Cloud Coverage Clear sky Partially clear Clear sky Min trainfall The sky Statto Sta		No West	1	3		
Max Temp (%)2826232829Min Temp (%)2021191412Cloud CoverageClear skyPartially clearClear skyClear skyClear skyMax RH (%)9898998475Min RH (%)4669862817Wind Speed (KmpH)47444Wind Speed (KmpH)47444Wind Speed (KmpH)5.ESS-ESSNortherly- N, North-Easterly- NE, Easterly- NE, South-Easterly- SE, Southerly- S, South-Westerly- SW, Westerly-W, North-westerly- NW.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(455.14mm)(507.7mm)(428.1mm)(453.1mm)(465.14mm)(507.7mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017March, 2017Maximum Tem. (°C): 13-16°CMarch, 2017To 15th March, 2017March, 2017Maximum Tem. (°C): 13-16°CMarch and 112-21°C.March, 2017To 15th March, 2017Maximum RH (%):68-79%Wind direction would be southeasterly to southerly to southeasterly and southerly with the wind speed of 4-7 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramImage and another and another and another and another another and another another another another another another another a	Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
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4.3 Ladgrouid 5.3 Ladgrouid <td< th=""><th>NDVI for Mizoram</th><th></th><th>North East Region 02 February 2017</th><th>Moderately</th><th>wet mildly dr</th><th>y/mildly wet</th></td<>	NDVI for Mizoram		North East Region 02 February 2017	Moderately	wet mildly dr	y/mildly wet
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			Agriculture vigour is moderate over most of the parts in Nort Eastern states, whereas few patches in Assam, Manipur ar Arunachal Pradesh shows good vigour.	h- nd		
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	MAMIT	KOLASIB	 Then they are covered with a thin layer of fine soil and a layer of paddy straw. Water the beds daily and protect from direct sunlight by an over head pandal. Seeds germinate in about 45 days after which they are transplanted to a secondary nursery beds for raising ball or Bag nursery. Harvesting Stage Ripe coffee berry can be harvest through fly picking or main picking in winter season. Unripe fruits should be scrupulously sorted out before using the fruits for pulping
	Z	LUNGLEI	 Carry out timely and thorough harvest. Avoid gleanings as far as possible. Pick up and destroy the gleanings. Meticulously remove the leftover berries. Remove offseason berries to save main crop. Avoid excessive shade. Prune plants properly to facilitate better ventilation and illumination. Spray Quinalphos 25 EC @ 340 ml/200 lit or lamda cyhalothrin 5 EC 120 - 160 ml / 200 lit. While processing at the estate level dry coffee berries to the prescribed moisture level: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % and robusta cherry 11.0 %.
Rubber	All stages	LAWNGTLAI SAIHA	 Destroy all infected leaves and plant parts. Spray 0.5% Bordeaux mixture in February March (Pre-bloom) followed by 0.03% Oxycarboxin in May - June (Pre-monsoon). Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young plant must be irrigated at weekly interval for better establishment. The land should be ploughed time to
		6127	3 P a g e



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CEREALS AND		\bigwedge	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
		KOLASIB X	
Maize	Land		Remove all weed plant from the
(Jhum)	preparation	6A	selected place. 4 Keep the plant, leaves and wood for
		1 1 1	dry.
	(Burn it when it will be dry.
Rabi Maize	vegetative		Light irrigation on every week may be
	stage	1	given for better establishment and
	MAMIT	N N	smooth growth.
	5	AIZAVIL	+ Earthing up soil near to plant for better
	1	Sumerune 1	support.
	N N	1	4 Maize rust disease will prevail due to
	1	10 38 1	high relative humidity with low
		1 12	temperature. Apply Mancozeb Kg/ha
	2.0	~ 1	for effective control.
	12		Remove the alternate host Oxalis comiculata.
Potato	Vegetative	SERCHH	Light irrigation on every alternate day
Iotato	growth stage	No long	may be given for better establishment
	growen stage		and smooth growth.
	1		4 Earthing up soil for better aeration of
			root growth.
		LUNGLEI	+ If irrigation is not available keep grass
VEGETABLE CR			and dry leaves as mulch.
Tomato	Harvesting	1000 E T	Light irrigation on every alternate day
Tomato	stage	IN I	may be given for better establishment
	Stage	K Sa a V	and smooth growth.
		111	If irrigation is not available keep grass
		1 55 7	and dry leaves as a mulch.
			Harvest all the mature which colour
		LAWNGTLAN	change to pale yellow to red.
		Bacterial wilt HA	Prevailing weather may conducive for blight in Townster
		1 1	blight in Tomato.
			Cloudy and humid weather is most favorable for the disease.
		1219	
		NY N. Z	4 P a g e



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Powdery mildewRidomil or Indofil or Mancozeb @ 2 per liter of water.Powdery mildewHigh temperature during day and temperature in night with h humidity led to increase the wetness leaves of tomato which cause powd mildew disease.Onion and capsicumVegetative and fruiting stageBurn all infected leaves. Apply sulfur 5 kg/hectare.Onion and capsicumVegetative and fruiting stageOne or two side dressings of nitro are applied during a season.Use the stageLight irrigation on every alternate of may be given for better establishm and smooth growth.	High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease. Burn all infected leaves. Apply sulfur 5 kg/hectare. Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight. One or two side dressings of nitrogen are applied during a season. These side dressings may be applied through the irrigation system.
Onion and capsicumVegetative and fruiting stageImage: Comparison of the provided and the provide	temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease. Burn all infected leaves. Apply sulfur 5 kg/hectare. Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight. One or two side dressings of nitrogen are applied during a season. These side dressings may be applied through the irrigation system.
capsicum and fruiting stage are applied during a season. * These side dressings may be apply through the irrigation system. * Light irrigation on every alternate of may be given for better establishm and smooth growth. * Mulching must be done at irrigation.	are applied during a season. These side dressings may be applied through the irrigation system.
Harvest all mature fruits capsicum.	Mulching must be done after irrigation. Harvest all mature fruits in
blight Trichoderma viride 4g+ metalaxyl (Apron)/ kg seed Drenching 1% Bordeaux mixture or	Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water
French bean Harvesting stage Harvest all mature fruits and keep seeds dry. Store the seeds for next year sowing.	
Cowpea Sowing stage SAIHA Plough the field properly, at least times.	Plough the field properly, at least 2-3 times. Mix fertilizer with FYM 50:60:60Kg
5 P a g	/ha.



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		2	Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	N N	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 N	in nursery bed.	4 Before sowing seed provide one or two
		Provide	irrigation.
	1	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
)	transplanted	E C C C C C C C C C C C C C C C C C C C
	<u>(</u>	okra field.	
Ginger and	Land		4 Remove all weed plant from the
turmeric	preparation		selected place.
	1 J		4 Keep the plant, leaves and wood for
) MAMIT	V D	dry.
		the second s	🚽 Burn it when it will be dry.
ANIMAL HUSBE			As the weather gets colden your riss?
Pig	All stages	5	As the weather gets colder, your pigs' energy requirement will increase, as
	Δc	1 8 7	they need more energy to keep warm.
			Regularly monitor their level of 'fitness'
	1.0	~ 1	and increase their feed intake to
	1.1		maintain.
		SERCHH	Fish oils are excellent for providing
		V Las	slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	
		Respiratory	and the second se
	2	Syndrome	(
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
0.44	A 11	1 A C	interval
Cattle	All age group		• Due to prolong dry spell there is a
			shortage of green grass in the field.
		Conservation and the second	For balanced diet and nutrition to
		LAWNGTLA	your cattle, provide urea molasses treated paddy straw.
	A 11	- SAIHA	
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
		C N N	
			6 P a g e



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	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	I vully stage	(BQ)	 Primary vaccination 6 month or above
		(DQ)	 Revaccination annually
Poultry	Litter	1 N	 Birds require adequate space, sufficient
Foundation		1 8	feed to meet their nutritional
	management	()	requirements and an adequate supply
		KOLASIB	of good-quality water.
		1.	4 Good management and sanitation are
)	WS ()	the best ways to avoid infectious
	5		disease in poultry.
	5		+ Provide ample quantity of clean
	1		drinking water.
			Avoid feeding of mouldy feed. Don't
	P MAMIT		make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease - F1 vaccine at (1-6)
	measures	C WIEWNE - 1	days of birth and R_2B vaccine for adult
		5	birds.
	1.1.1	S	🖊 B complex with antibodies
	N	4 th weeks	4 Coccidiosis - Amprolium or
	1	~ 1 ~	coccidiostat
	3.)	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	6	SERCHH	iP ()
	Pond	0-2 th weeks	+ Drying and tilling of the pond bottom is
	preparation	140	an important step in preparation of
			pond which enables release of toxic
			gases from the pond bottom.
		LUNGLEI	4 The pH of the pond bottom soil needs
	2	CONTRACTOR IN CONTRACTOR	to be tested and appropriate quantity of
		~	lime should be applied depending on
	1	α (~	the soil pH. Liming not only helps in
		91. 1.	correcting the pH but helps in
			preventing disease as well as acts as a
			source of calcium for the fishes.
			4 Complete eradication of aquatic weeds
			helps in avoiding deterioration of pond
		LAWNGTLAY	environment and protecting fishes from
		- SAIHA	unwanted fishes and aquatic insects.
			~J.
			2
		201	
		VIL /	7 P a g e



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LAWNGTLA SAIHA

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District: Mamit

Bulletin	No: -	682	/2016/	Bulletin	/Mizo
			1.00		1

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

	A CONTRACTOR	<i>F</i>			
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
Rainfall (mm)	17	67	6	0	0
Max Temp (°C)	28	26	23	28	29
Min Temp (°C)	20	21	19	14	12
Cloud Coverage	Clear sky	Partially clear	Clear sky	Clear sky	Clear sky
Max RH (%)	98	98	99	84	75
Min RH (%)	46	69	86	28	17
Wind Speed (KmpH)	4	7	4	4	4
*Wind Direction	S-E	S	S-E	S	S
Souther	ly- <mark>S</mark> , South-V	Easterly- N-E, Eas Vesterly- S-W, We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	i- 105.48mm \$ (359.89mm)	of deviation fr Saiha- 307.40 n (507.7r Mamit-204.87n (442.80r	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)
Weather summary of three days	· · · · · · · · · · · · · · · · · · ·	11 th March- sa	*	2017 chhun	ga sik leh
Maximum Tem. (°C):2 Minimum Tem. (°C): 3 Maximum RH (%):79- Minimum RH (%):68- Wind Direction: south Cloud cover: Clear sk Wind speed: 3-4 km/3 Rainfall: 12.1 mm	13-16°C 99% 79% heasterly y	3-16°C y % y % easterly t ura beisei a ni. Khua a lum lai berin 23-29°C a ni a v awh lai ber in 12-21°C ni tura beisei a ni. RH berin 75-99% leh a hniam lai berin 17-86% ni tu niin. Thli hi darkar khatah 4-7 km vela chakin chl awi gawagin a tleh rin a ni A tlangpujin tun ni nga a			
NDVI for Mizoram		North East Region 02 February 1 04 - 02 bits 04 - 03 04 - 03 04 - 03 04 - 03 05 - 04 04 - 03 05 - 04 04 - 03 05 - 04 04 - 03 05 - 04 04 - 03 05 - 04 05 - 05 05 - 05 0	e soll / w Aground } Mode } Good } Vory d	wet mildly dr	y/mildly wet
		T L	E.		1 P a g e



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	20	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 HOLSON >	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
	(3 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	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	1	taka pek hian a rah tla tur chelh nan
PLUM AND	Re-	ANZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
РЕАСП		Cummonia eiterre	+ Temperture hniam lutuk leh hnawng vang
	1	Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	6.0	Dieback	a trangah te hnawih tur ani.
	5	Fruit flyrchh	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	CONGLE	Nursery stage
	- 14		+ Thlai chi thlak hma in Azospirillum leh
	1	1 K 2 ~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 20 1	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani. Vitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAU	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
			Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	l	2010	
		VIN P	2 P a g e
			2 1 4 5 0

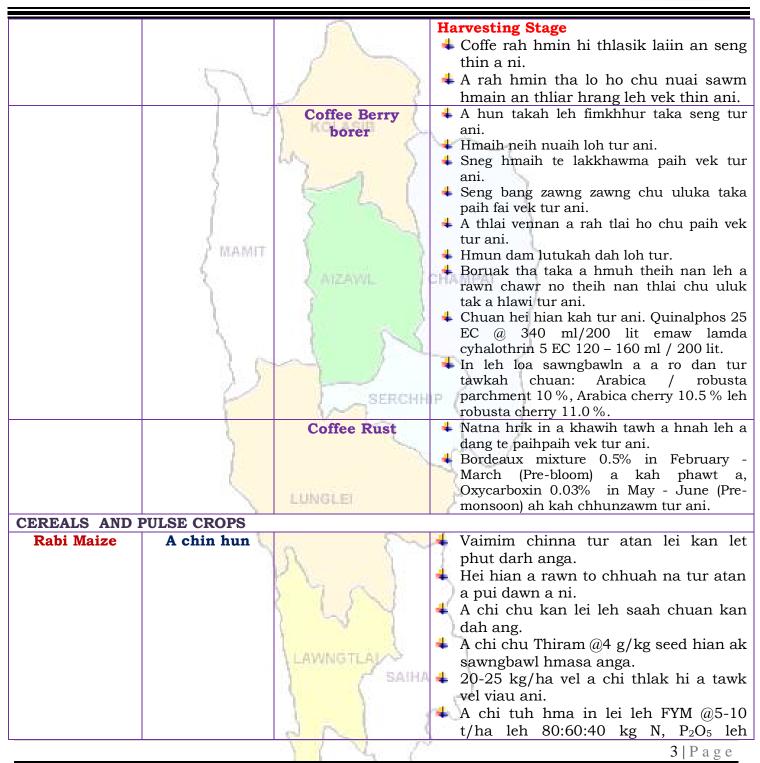


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Soybean, pea,	All stage	Zero tillage	 K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	A MAMIT	mark and a second	 tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CRO	Sowing stage	AIZAVIL	 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
		812	4 P a g e



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Onion and capsicumNursery stagePoly house-Onion and capsicumNursery stagePoly housePoly houseImage: A stage capsicumPoly houseImage: A stage capsicumPoly houseImage: A stage capsicumPoly houseImage: A stage capsicumPoly houseImage: A stage capsicumImage: A stage capsicum<				
capsicumtui pek thin tur ani.CapsicumImage: CapsicumImage: Capsicum <th></th> <th>2</th> <th>KOLASIE</th> <th> Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. </th>		2	KOLASIE	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Ca		}	AIZAVIL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah 		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
		Sowing stage	LAWNGTLAN	 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			2012	



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



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		2	+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
		S S		ani.
	1 1	1 3	+	Chaw a hmuar/thing pek loh tur ani a,
	3 1.	2		an chaw eitur thlak sak thut loh tur
		in a contraction of the		ani.
	Preventive	0-3 rd week	1. +	Ranikhet Disease- an pian atanga ni
	measures	LA. N		1-6 ah F1 vaccine pek tur ani a, chuan
	6	3 5 1		a puitlingh chuan R ₂ B vaccine pek tur
	1			ani.
		(44)	-	B complex with antibodies
		4 th weeks	-	Coccidiosis- Amprolium or
	Summer 1			coccidiostat
	J MAMIT	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	200	ANZAWI-	CH/	AMPAI
	Pond	0-2 weeks	4	Dil buatsaihnan a tihtur pawimawh
	preparation	5		tak chu dil mawng phoro a lehphut
	(Dil buatsaih)	121		deuh ani a, chu chuan dil mawng lei a
		AV 1 X	-	boruak chhia chambangte a chhuahtir
	Ale M			thin
	0	SERCHH		Dil mawng lei thur leh thurloh entir a,
		(~) eckonn		a thurdan a zirin chinai phul thin tur
				ani. Chu chuan tui thur a siam tha mai
		Sec. 1		nilovin natna lak atangin sangha te a
			-1	veng theiin, calcium an hmuhnan a thil
				tha tak ani bawk
		LUNGLEI	+	Dil a hnimhnah leh bawlhhlawh awmte
				thenfai vek hian dil boruak chhetur lak
		5	1	atangin a veng a, sangha tan a
	0	1 1		hlauhawm leh tibuaithei rannung lak
			12	atangin a veng thei bawk
		19al	- 83	
		(LINE	10	
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		har was a second second second		
		LAWNGTLAK		
		/ SAIHA		1
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LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



District: Saiha

Bulletin No: - 682/2016/ Bulletin/English

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

	100 100					
Parameters	11.03.2017		13.03.2017	14.03.2017	15.03.2017	
Rainfall (mm)	6	38	9	0	0	
Max Temp (°C)	28	25	20	27	28	
Min Temp (°C)	18	17	15	15	14	
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	85	98	96	69	49	
Min RH (%)	36	68	86	30	15	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	E	N-E	E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO	OON- June 1-3	30, 2016 (Percent	of deviation fr	om normal in p	arenthesis)	
Aizawl- 384.87mm	Champha	i- 105.48mm	<mark>Saiha</mark> - 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7r		(428.1mm)	
Lawngtlai-291.20mm	Lunglei	-326.00mm	Mamit-204.87n	n <mark>m Serch</mark> hip	-411.72mm	
(453.1mm)		(465.14mm)	(442.80r	nm)	(259.62mm)	
Weather summary	of the past	Weather forec	ast valid from	11 th March, 20)17 To 15th	
three day	s	March, 2017.				
Maximum Tem. (°C):2	22-23°C	There is chance of heavy to light rainfall during the next 3				
Minimum Tem. (°C):1	2-14ºC	day. The maximum and minimum temperatures for the				
Maximum RH (%):82-	98%	next 5 days may range for 25-28°C and 14-18°C.				
Minimum RH (%):42-	64%	Maximum relative humidity is expected in the range of 49-				
Wind Direction: Sout	heasterly	98% and minimum may from 15-86%. Wind direction				
Cloud cover: Clear sk	y	would be easterly to northeasterly and easterly with the				
Wind Speed: 3-4 km/	hr					
		wind speed of 4 km per hour. Mainly clear sky will prevail during the next five days.				
Rainfall: 07.5 mm		during the next i	ive days.			
				rainfall: 53.0 1		
NDVI for Mizoram		North East Region 02 February	5	wet mildly dr	y/mildly wet	
			re soil/w conditions			
			L Mode			
		0.4-0.5	Good			
		0.6-0.7	yery G			
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Manipi Arunachal Pradesh shows good vigour.	North- ar and			
			1			
		VVV	11		1 Page	
			5		IIIage	

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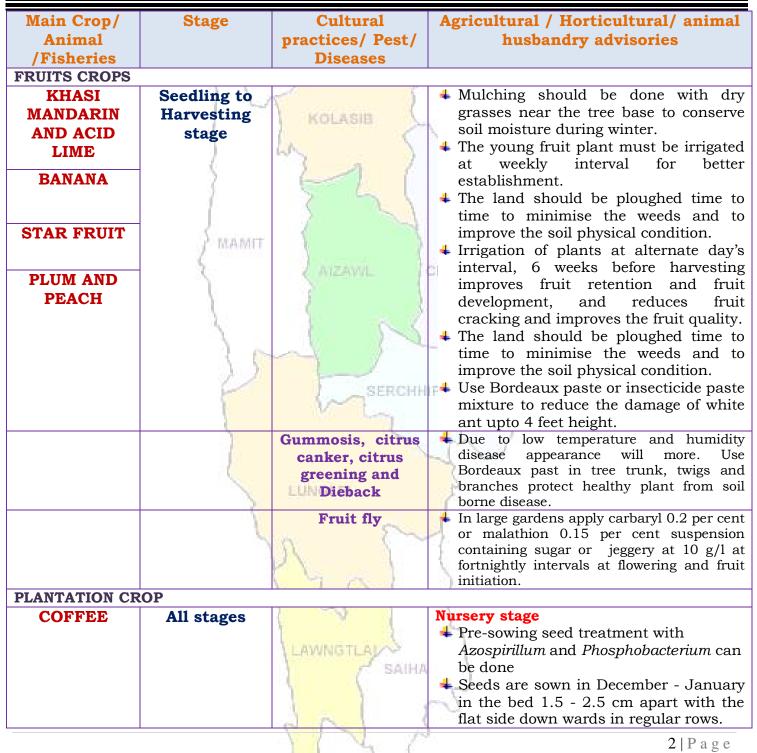


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		A	4 Then they are covered with a thin layer
	MAMIT	KOLASIB	 of fine soil and a layer of paddy straw. Water the beds daily and protect from direct sunlight by an over head pandal. Seeds germinate in about 45 days after which they are transplanted to a secondary nursery beds for raising ball or Bag nursery. Harvesting Stage Ripe coffee berry can be harvest through fly picking or main picking in winter season. Unripe fruits should be scrupulously sorted out before using the fruits for pulping
	Z	LUNGLEI	 Carry out timely and thorough harvest. Avoid gleanings as far as possible. Pick up and destroy the gleanings. Meticulously remove the leftover berries. Remove offseason berries to save main crop. Avoid excessive shade. Prune plants properly to facilitate better ventilation and illumination. Spray Quinalphos 25 EC @ 340 ml/200 lit or lamda cyhalothrin 5 EC 120 - 160 ml / 200 lit. While processing at the estate level dry coffee berries to the prescribed moisture level: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % and robusta cherry 11.0 %.
Rubber	All stages	LAWNGTLAI SAIHA	 Destroy all infected leaves and plant parts. Spray 0.5% Bordeaux mixture in February March (Pre-bloom) followed by 0.03% Oxycarboxin in May - June (Pre-monsoon). Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young plant must be irrigated at weekly interval for better establishment. The land should be ploughed time to
·		822	3 Page



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EREALS AND PULSE CROPS Improve the soil physical condition. Maize (Jhum) Land preparation Remove all weed plant from the selected place. Rabi Maize vegetative stage Remove all weed plant, leaves and wood for dry. Burn it when it will be dry. Light irrigation on every week may be given for better establishment and smooth growth. Potato Vegetative growth stage Remove the alternate host Oxalis coniculata. Potato Vegetative growth stage Earch Luvote Tomato Harvesting stage Luvote Tomato Harvesting stage Light irrigation on every alternate day may be given for better establishment and smooth growth.	ICAR			
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Cloudy and humid weather is most favorable for the disease.			Bacterial wilt	Prevailing weather may conducive for
favorable for the disease.				
4 Page			00	avorable for the disease.
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	1 2000	A	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	 High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease. Burn all infected leaves. Apply sulfur 5 kg/hectare. Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	 One or two side dressings of nitrogen are applied during a season. These side dressings may be applied through the irrigation system. Light irrigation on every alternate day may be given for better establishment and smooth growth. Mulching must be done after irrigation. Harvest all mature fruits in capsicum.
	Z	Phytopthora blight LUNGLEI	 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	Harvesting stage	AT	 Harvest all mature fruits and keep the seeds dry. Store the seeds for next year sowing.
Carrot and radish	Harvesting stage	1 wy	 Light irrigation on every alternate day may be given for better establishment and smooth growth. Harvest all mature plants.
Cowpea	Sowing stage	LAWINGTLAUS	✤ Plough the field properly, at least 2-3
		SN 2	5 P a g e



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		2	Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	N N	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 1.5	in nursery bed.	4 Before sowing seed provide one or two
		Provide	irrigation.
	1	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	
	<u> </u>	okra field.	
Ginger and	Land		4 Remove all weed plant from the
turmeric	preparation		selected place.
	1 - 1		4 Keep the plant, leaves and wood for
	/ MAMIT		dry.
			🗕 Burn it when it will be dry.
ANIMAL HUSBE			A the method acts colden were nice?
Pig	All stages	5	As the weather gets colder, your pigs' energy requirement will increase, as
	Δc	1 38 7	they need more energy to keep warm.
			Regularly monitor their level of 'fitness'
	2.0	~ 1	and increase their feed intake to
	12		maintain.
		SERCHH	Fish oils are excellent for providing
		V Las	slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	1	Reproductive	
		Respiratory	PA
	2	Syndrome	6
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		21	months and yearly interval/6 month
0.11	A 11 .	1 A	interval
Cattle	All age group		• Due to prolong dry spell there is a
		1 N	shortage of green grass in the field.
		a second second second	For balanced diet and nutrition to your cattle, provide urea molasses
		LAWNGTLA	treated paddy straw.
	A 11	SAIHA	
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
		6121	
			6 P a g e

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	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above
Poultry	Litter management	KOLASIB	 Revaccination annually Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water. Good management and sanitation are the best ways to avoid infectious disease in poultry.
	MAMIT	254	 Provide ample quantity of clean drinking water. Avoid feeding of mouldy feed. Don't make sudden changes in feed
	Preventive measures	0-3 rd week	 Ranikhet Disease- F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds. B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium or coccidiostat
		4-5 th Weeks	$4 \text{Calcium tonic fortified with } \mathbf{B}_{12}$
FISHERY		SERCHH	
	Pond preparation	0-2 th weeks	Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.
			The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.
		LAWNGTLA	 Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.
		SAINA	5
		N. I. A	710

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LAWNGTLA SAIHA

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Guwahati)



District: Saiha

Bulletin	No: -	682/2016/ Bulletin	/Mizo
			100

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

	AND AND					
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017	
Rainfall (mm)	6	38	9	0	0	
Max Temp (°C)	28	25	20	27	28	
Min Temp (°C)	18	17	15	15	14	
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	85	98	96	69	49	
Min RH (%)	36	68	86	30	15	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	E	N-E	E	
Souther	ly- <mark>S</mark> , South-V	Easterly- N-E, Eas Westerly- S-W, We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champha Lunglei	i- 105.48mm (359.89mm)	of deviation fr Saiha- 307.40 n (507.7n Mamit-204.87n (442.80n	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)	
Weather summary		<u> </u>	\			
three day	s	sa dinhmun tur tlangpui				
Maximum RH (%):82- Minimum RH (%):42- Wind Direction: Sout Cloud cover: Clear sk Wind Speed: 3-4 km/ Rainfall: 07.5 mm	nimum Tem. (°C):12-14°C tura beisei a ni. Khua a lum lai berin 25-28°C a ni ar vawh lai ber in 14-18°C ni tura beisei a ni. RH s vawh lai ber in 14-18°C ni tura beisei a ni. RH s berin 49-98% leh a hniam lai berin 15-86% ni tur niin. Thli hi darkar khatah 4 km vela chakin chhakla zawngin a tleh rin a ni. A tlangpuiin tun ni nga c hian khawthiang tak hmuh beisei a ni.					
NDVI for Mizoram		North East Region 02 February 04 - 02 km 04 - 03 04 - 04 04 - 04 04 04 - 04 04 - 04 04 04 - 04 04 04 - 04 04 04 04 - 04 04 04	<pre>woll we woll we would we woll we woll we woll we would we woll we would we w</pre>	wet mildly dr	y/mildly wet	
		Y Y	Et al.		1 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,



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		·	
KHASI	A kui atanga	20	🖊 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	7	1 Instantional C	velah dahkhawm tur ani.
LIME)	W. N	🔸 Thlai naupang deuah chuan chawlh
	(1 1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
			theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAT		4 A seng hma kar 6 chhung chu tui tha
	2 second	And the second s	taka pek hian a rah tla tur chelh nan
PLUM AND	3	(MIZAWIL)	leh a rah than that nan te leh a rah
PEACH		1 A A	keh tur lakah t a veng thei ani.
TEACH		Gummosis, citrus	+ Temperture hniam lutuk leh hnawng vang
	5	canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh
	No. No	Dieback	a trangah te hnawih tur ani.
	0	Fruit fly RCHH	👎 Huan zau takah chuan a par tan tirh leh a
		(~)	rah tan tirin chawlhkar hnih chhung chu
	1	and the second	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at 10 g/l.
PLANTATION CR	OP		10 5/1.
COFFEE	All stages	CONOLEI	Nursery stage
	THE STUGOD		+ Thlai chi thlak hma in Azospirillum leh
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Phosphobacterium a enkawl tur ani.
		N N	🖊 A chi hi December – January ah hmun
			🚶 zawl/rualrem 1.5 - 2.5 cm a in hlatin
		701	) tlar mumal tak siam in chin tur ani.
		1 62 4	+ Chuan a chi chu lei tlem te a chhilh a
		A A	buhpawla khuh tur ani.
		A DAMAGE TO A DAMAGE	Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAY	nan niin a chhun loh nan zar hliah tur
		C SAIHA	
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
		CN A	
		4	2   P a g e

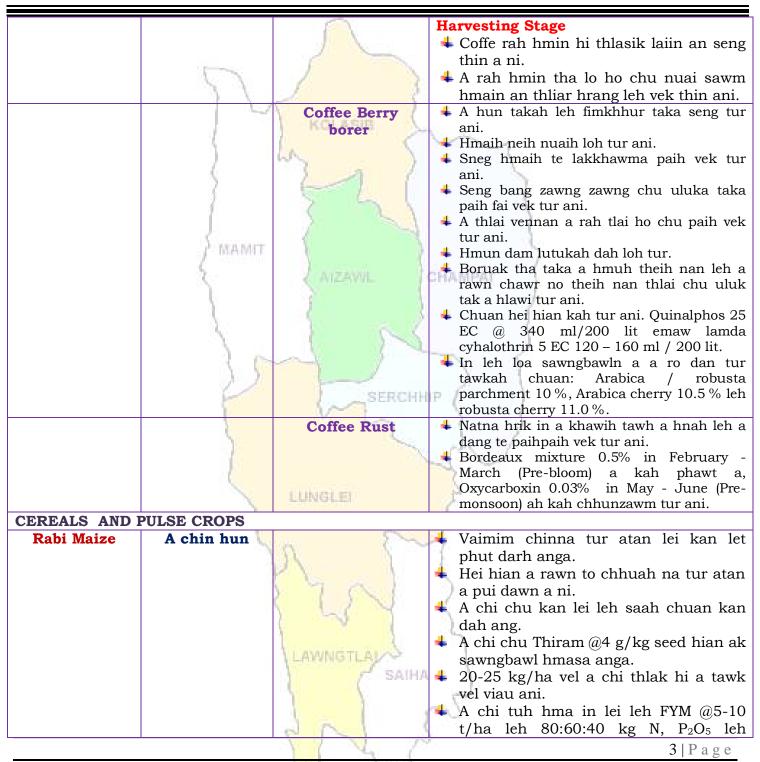


#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)







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Soybean, pea, lentil toria,	All stage	Zero tillage	<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
breen gram and black gram cultivation in rice fellow	A MAMIT	The formation of the second se	<ul> <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	AIZAVIL	<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	LAWNGTLAI	<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	4   P a g e



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Onion and capsicumNursery stagePoly houseHai han alam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawiha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tui pek thin tur ani.Thlai bul vawn hnawn nama thlai bul hnim ring vawn khawm hi tui pek zawhah dah tur ani.Thlai china hmun (nursery) hi bnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha He ani.Phytopthora blightPhytopthora blightA then an thiram 3g/kg seed (Apron)/ kg seed hi a tha he ani.French beanSowing stageTui pek a hnihanh hringa khuh tur ani a. than a that theih nan tui pek hna in lei rin pan hmasak tur ani.Carrot and radishSowing stageTui pek hnihan hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hnihan hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hnihanh hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hnihanh hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hnihanh hringa khuh tur ani a. than a that theih nan nikhat danah tui pek hnihanh hringa khuh tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hnihan hringa khuh tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hnihan tur ani.Thia inna lam chi leh zikhlum lam chi reng reng enkawl nan than al ma chi leh zikhlum lam chi reng reng enkawl nan	ICAR			
capsicumtui pek thin tur ani.CapsicumImage: CapsicumImage: Capsicum <th></th> <th>2</th> <th>KOLASIB</th> <th>4 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</th>		2	KOLASIB	4 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Ca		}	MZAVIL	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah tui pek thin tur ani.Markow ConstructionA than a that theih nan nikhat danah 		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.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.         Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
C N S		Sowing stage	LAWNGTLAN	<ul> <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>
			6 M 2	



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



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>
	AMAMIT	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		• 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	<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>
		PN A	<b>6</b>   P a g e



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

Guwahati)



	Preventive	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li>Ranikhet Disease- an pian atanga ni</li> </ul>
	measures	222	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>
	{	4 th weeks	<b>Coccidiosis</b> - Amprolium or coccidiostat
	/ MAMIT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	3	A AIZAVIL	CHAMPAI
	Pond preparation (Dil buatsaih)	0-2 weeks	<ul> <li>Dil buatsaihnan a tihtur pawimawh tak chu dil mawng phoro a lehphut deuh ani a, chu chuan dil mawng lei a boruak chhia chambangte a chhuahtir thin</li> </ul>
	5		<ul> <li>Dil mawng lei thur leh thurloh entir a, a thurdan a zirin chinai phul thin tur ani. Chu chuan tui thur a siam tha mai nilovin natna lak atangin sangha te a veng theiin, calcium an hmuhnan a thil tha tak ani bawk</li> </ul>
			Dil a hnimhnah leh bawlhhlawh awmte thenfai vek hian dil boruak chhetur lak atangin a veng a, sangha tan a hlauhawm leh tibuaithei rannung lak atangin a veng thei bawk
		LAWNGTLAY	
		201	7   P a g e

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





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LAWNGTLA SAIHA

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Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,

Guwahati)



### **District:** Serchhip

Period: 11 March - 15 March, 2017

Bulletin	No:	- 682/	/2016/	Bulletin	/English

Date of issue: 10th March, 2017

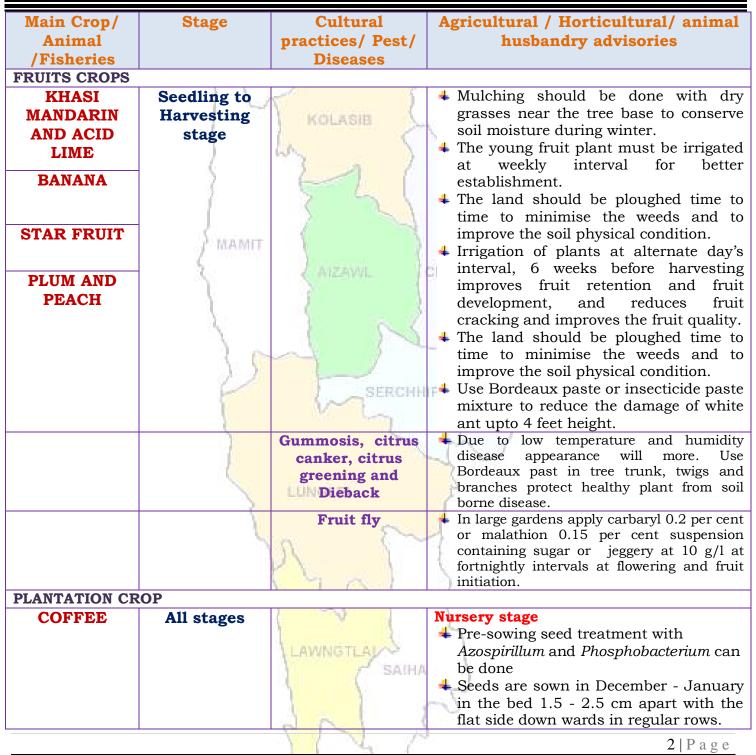
	1 A A					
Parameters	11.03.2017		13.03.2017	14.03.2017	15.03.2017	
Rainfall (mm)	9	23	10	0	0	
Max Temp (°C)	28	26	21	27	28	
Min Temp (°C)	20	21	19	15	15	
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	100	99	99	84	58	
Min RH (%)	45	66	93	33	17	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	S-E	S-E	E	E	E	
	ly- <mark>S</mark> , South-V	Easterly- N-E, Eas Westerly- S-W, We	sterly-W, North	-westerly- N-W.	grouth agin)	
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm	
(430.2mm)	· · · · · · · · · · · · · · · · · · ·	(359.89mm)	507.40 f		(428.1mm)	
Lawngtlai-291.20mm			Mamit-204.87n		-411.72mm	
(453.1mm)	<b>-</b>	(465.14mm)	(442.80r	· · · · · · · · · · · · · · · · · · ·	(259.62mm)	
Weather summary		· · · · · · · · · · · · · · · · · · ·				
three day	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 11 th March, 2017 To 15 th March, 2017.				
Maximum Tem. (°C):2		There are chances of moderate to heavy and light rainfall				
Minimum Tem. (°C):1				2	0	
Maximum RH (%):82-		during the next				
Minimum RH (%):41-		temperatures for				
Wind Direction: East		and 15-21°C. M		•	-	
Cloud cover: Clear sk		the range of 58		<b>.</b>		
Wind speed: 2-4 km/	·	Wind direction would be southeasterly to easterly with the				
······ ·····,		wind speed of 4 km per hour. Mainly clear sky will prevail				
Rainfall: 10.2 mm		during the next f	ïve days.			
		Weekl	y cumulative i	rainfall: 42.0 1	nm	
NDVI for Mizoram		North East Region 02 February	²⁰¹⁷ Moderately	wet mildly dr	y/mildly wet	
			conditions			
			] Mode			
		0.4-0.5	Land			
			- Very G			
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Manipu Arunachal Pradesh shows good vigour.	North- ir and			
		201	A COMPANY			
		NY Y	120		1   Page	



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







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	MAMIT	KOLASIB	<ul> <li>Then they are covered with a thin layer of fine soil and a layer of paddy straw.</li> <li>Water the beds daily and protect from direct sunlight by an over head pandal.</li> <li>Seeds germinate in about 45 days after which they are transplanted to a secondary nursery beds for raising ball or Bag nursery.</li> <li>Harvesting Stage</li> <li>Ripe coffee berry can be harvest through fly picking or main picking in winter season.</li> <li>Unripe fruits should be scrupulously sorted out before using the fruits for pulping</li> </ul>
	Z	Coffee Berry borer SERCHH	<ul> <li>Carry out timely and thorough harvest.</li> <li>Avoid gleanings as far as possible.</li> <li>Pick up and destroy the gleanings.</li> <li>Meticulously remove the leftover berries.</li> <li>Remove offseason berries to save main crop.</li> <li>Avoid excessive shade.</li> <li>Prune plants properly to facilitate better ventilation and illumination.</li> <li>Spray Quinalphos 25 EC @ 340 ml/200 lit or lamda cyhalothrin 5 EC 120 - 160 ml / 200 lit.</li> <li>While processing at the estate level dry coffee berries to the prescribed moisture level: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % and robusta cherry 11.0 %.</li> </ul>
Rubber	All stages	LAWNGTLAI SAIHA	<ul> <li>Destroy all infected leaves and plant parts.</li> <li>Spray 0.5% Bordeaux mixture in February         <ul> <li>March (Pre-bloom) followed by 0.03%</li> <li>Oxycarboxin in May - June (Pre-monsoon).</li> </ul> </li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young plant must be irrigated at weekly interval for better establishment.</li> <li>The land should be ploughed time to</li> </ul>
		8121	3   P a g e



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ICAR			
CEDEALS AND		$\sum$	<ul> <li>time to minimise the weeds and to improve the soil physical condition.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> </ul>
CEREALS AND		KOLASIB	
Maize	Land		<b>4</b> Remove all weed plant from the
(Jhum)	preparation	W. S	selected place. <b>4</b> Keep the plant, leaves and wood for
	(	1 1 1	dry.
	5		<ul> <li>Burn it when it will be dry.</li> </ul>
Rabi Maize	vegetative		Light irrigation on every week may be
	stage		given for better establishment and
	MAMIT		smooth growth.
	ζ	AIZAVIL	+ Earthing up soil near to plant for better
	1 N	Sumerune 1	support.
		1	4 Maize rust disease will prevail due to
	$\sum_{i=1}^{n}$	10 38 1	high relative humidity with low
		1 12	temperature. Apply Mancozeb Kg/ha
	1.0	~ 1	for effective control.
	12		Remove the alternate host Oxalis comiculata.
Potato	Vegetative	SERCHH	Light irrigation on every alternate day
Iotato	growth stage	No long	may be given for better establishment
	growth stuge	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and smooth growth.
	10		4 Earthing up soil for better aeration of
			root growth.
	X	LUNGLED	If irrigation is not available keep grass
VEGETABLE CR	OP		and dry leaves as mulch.
Tomato	Harvesting	1. A. T.	Light irrigation on every alternate day
i unato	stage	11	may be given for better establishment
	Stuge		and smooth growth.
		2 1 5 5	🕴 If irrigation is not available keep grass
			and dry leaves as mulch.
			Harvest all the mature which colour
		LAWNGTLAN	change to pale yellow to red.
		Bacterial wilt HA	Prevailing weather may conducive for blight in Tomato.
		1 1	Cloudy and humid weather is most
			favorable for the disease.
	1	6 N 1	
		4/	4   P a g e



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		$\mathcal{A}$	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	<ul> <li>High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease.</li> <li>Burn all infected leaves.</li> <li>Apply sulfur 5 kg/hectare.</li> <li>Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.</li> </ul>
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	<ul> <li>One or two side dressings of nitrogen are applied during a season.</li> <li>These side dressings may be applied through the irrigation system.</li> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Mulching must be done after irrigation.</li> <li>Harvest all mature fruits in capsicum.</li> </ul>
	2	Phytopthora blight LUNGLEI	<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	Harvesting stage	AP	<ul> <li>Harvest all mature fruits and keep the seeds dry.</li> <li>Store the seeds for next year sowing.</li> </ul>
Carrot and radish	Harvesting stage	1 w	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Harvest all mature plants.</li> </ul>
Cowpea	Sowing stage	LAWNGTLAUS	<ul> <li>Plough the field properly, at least 2-3 times.</li> <li>Mix fertilizer with FYM 50:60:60Kg /ha.</li> </ul>
		PN X	5   P a g e



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		2	Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1 1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 1.5	in nursery bed.	<b>4</b> Before sowing seed provide one or two
		Provide	irrigation.
	1	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	okra field.	
Ginger and	Land		4 Remove all weed plant from the
turmeric	preparation		selected place.
	1 )		4 Keep the plant, leaves and wood for
	/ MAMIT		dry.
			🕂 Burn it when it will be dry.
ANIMAL HUSBE			A the meether sets colden your size?
Pig	All stages	5	As the weather gets colder, your pigs' energy requirement will increase, as
	$\Sigma$	1 28.7	they need more energy to keep warm.
			<ul> <li>Regularly monitor their level of 'fitness'</li> </ul>
	2.0	~ 1	and increase their feed intake to
	1.2		maintain.
	8	SERCHH	Fish oils are excellent for providing
		V Las	slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	ph.
	5	Syndrome	6
	1	(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		21	months and yearly interval/6 month
0-441	A 11	1 A A	interval
Cattle	All age group		• Due to prolong dry spell there is a
			shortage of green grass in the field. For balanced diet and nutrition to
			your cattle, provide urea molasses
		LAWNGTLA	treated paddy straw.
		Foot and Mouth	
	All age group	Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
		DISCASC (FIND)	
		6121	61Do o o
			6   P a g e

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	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	round ounde	(BQ)	<ul> <li>Primary vaccination 6 month or above</li> </ul>
		(Del	<ul> <li>Revaccination annually</li> </ul>
Poultry	Litter management	KOLASIB	<ul> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't</li> </ul>
	Preventive	0-3 rd week	make sudden changes in feed <b>Ranikhet Disease-</b> F1 vaccine at (1-6)
	measures	{	<ul> <li>days of birth and R₂B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>
	1	4 th weeks	<b>4 Coccidiosis</b> - Amprolium or
	2 0	~ 1 1	coccidiostat
	1.1	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	6	SERCHH	IP (
	Pond	0-2 th weeks	4 Drying and tilling of the pond bottom is
	preparation	~	an important step in preparation o pond which enables release of toxic gases from the pond bottom.
	2		The pH of the pond bottom soil needs to be tested and appropriate quantity o lime should be applied depending or the soil pH. Liming not only helps in
		Ma)	correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.
		LAWNGTLA	Complete eradication of aquatic weeds helps in avoiding deterioration of pone environment and protecting fishes from unwanted fishes and aquatic insects.
		SAMA	2
		F 1 7	

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LAWNGTLA SAIHA

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(Prepared based on District wise Weather Forecast received from IMD,

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### **District:** Serchhip

Bulletin No: - 682/2016/ Bulletin/Mizo

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

	1 N N	10			
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
Rainfall (mm)	9	23	10	0	0
Max Temp (°C)	28	26	21	27	28
Min Temp (°C)	20	21	19	15	15
Cloud Coverage	Clear sky	Partially clear	Mainly clear	Clear sky	Clear sky
Max RH (%)	100	99	99	84	58
Min RH (%)	45	66	93	33	17
Wind Speed (KmpH)	4	4	4	4	4
*Wind Direction	S-E	S-E	E	E	E
Souther	rly- <mark>S</mark> , South-W	Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm (453.1mm)	Champhai Lunglei-	- 105.48mm \$ (359.89mm)	of deviation fr Saiha- 307.40 n (507.7n Mamit-204.87n (442.80n	nm Kolasib- nm) nm Serchhip	arenthesis) 236.00mm (428.1mm) 0-411.72mm (259.62mm)
Weather summary			<b>\</b>		
· · · · · · · · · · · · · · · · · · ·		11 th March-	· · · · · · · · · · · · · · · · · · ·		ga sik len
three day			ı dinhmun t		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):82- Minimum RH (%):41-4 Wind Direction: Easter Cloud cover: Clear sk Wind speed: 2-4 km/ Rainfall: 10.2 mm	2-15°C 98% 66% erly y				
NDVI for Mizoram		North East Region 0.2 February 0.2 February 0.2 Gebruary 0.2 Gebruar	conditions	wet mildly dr	y/mildly wet
		1111	12		1   Page

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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	et la	<b>4</b> Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		nousona >	velah dahkhawm tur ani.
LIME	)	LA N	<b>4</b> Thlai naupang deuah chuan chawlh
	6	3 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	7 5 1	theihna turin a hmunhma a hnim awm
		100	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 merina i	S	taka pek hian a rah tla tur chelh nan
PLUM AND	2	ANZAWIL 1	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH			
	2	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	- laka vennan Bordeaux past hi thing zar leh
	6.0	greening and	a trangah te hnawih tur ani.
	11	Dieback	Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu
		M. Com	heng te hian enkawl tur ani: carbaryl 0.2
	S	100	percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		10 g/l.
PLANTATION CR			
COFFEE	All stages		Nursery stage
	1		+ Thlai chi thlak hma in Azospirillum leh
	2	N 1~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1 1	tlar mumal tak siam in chin tur ani.
		1 20 1	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAU	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.
			Jag an an sawn chindar ich unn alli.
		K 17 1	210000
		4 6	2   P a g e

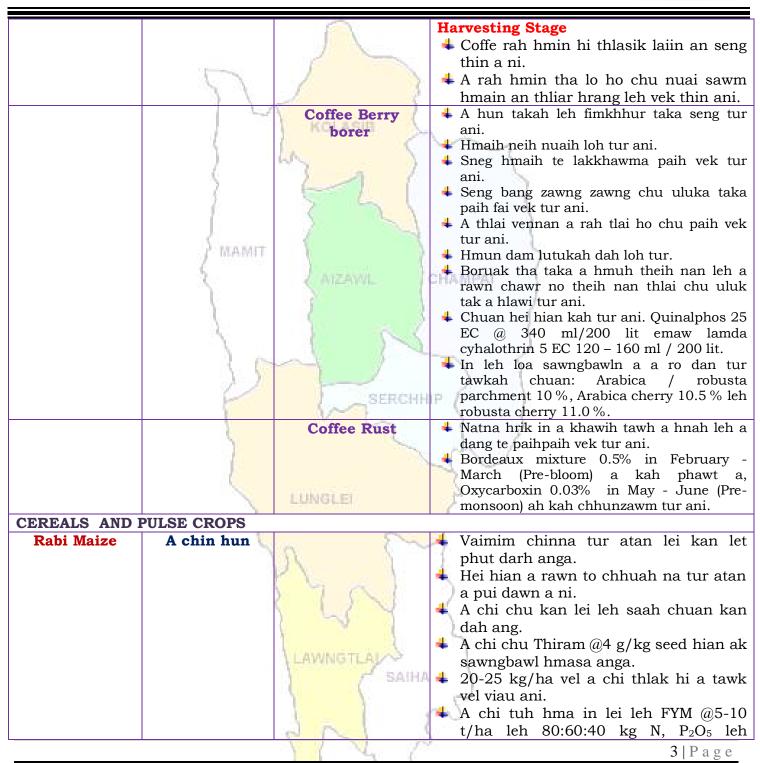


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Soybean, pea,	All stage	Zero tillage	<ul> <li>K₂O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.</li> <li>A than a that theih nan nikhat danah</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT	h	<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 VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAL	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
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Onion and capsicumNursery stagePoly houseHancozet @ 2gm ah tui leter 1 pawlha kah tur ani.Onion and capsicumNursery stagePoly houseA than a that theih nan nikhat danah tur pek thin tur ani.ImamirImamirA than a that theih nan nikhat danah tur pek thin tur ani.ImamirImamirA than a that theih nan nikhat danah tur pek thin tur ani.ImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamirImamir <td< th=""><th>ICAR</th><th></th><th></th><th></th></td<>	ICAR			
<ul> <li>French bean</li> <li>Sowing stage</li> <li>French bean</li> <li>Sowing stage</li> <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>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>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 a that theih nan nikhat danah tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek hma in lei rin pan hmasak tur ani.</li> <li>Thi pek hnuah thiai bul vawn hnawn nan tur sim tur ani.</li> <li>Thi na that theih nan nikhat danah tui pek hnuah thi dum a rawn awm thina, hei hi natma falaglawn ber ani.</li> <li>Thiai hna lam chi leh zikhlum lam chi an tur ileter 1 pawlha kah tur ani.</li> </ul>		Nursery stage	THUR LINUILI	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
French beanSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishImage: Carrot and radishSowing stageImage: Carrot and radishImage: Carrot and radishIma	capsicum	MAMIT		<ul> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
Carrot and radish Sowing stage LAWNGTLAS 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. 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 nam Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.         Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nam Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel
C N S		Sowing stage	LAWNGTLAN	<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</li> </ul>
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ANIMAL HUSB	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>
	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		• 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	<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>
		PN A	<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)



Preventive measures       0-3 rd week       Chaw a hmuar/thing pel ani.         Preventive measures       0-3 rd week       Ranikhet Disease- an p         1-6 ah F1 vaccine pek tu a putilingh chuan R2B v ani.       B complex with antibodie         4th weeks       Coccidiosis- Amprococcidiostat         FISHERY       Calcium tonic fortified version of the preparation (Dil buatsaih)         0-2 weeks       Dil buatsaihnan a tiht tak chu dil mawng photou ani. a, chu chuan du boruak chhia chambang thin         Dil buatsaih)       0-2 weeks         FISHERY       Dil buatsaihnan a tiht tak chu dil mawng photou ani. a, chu chuan tu thur a nilovin natna lak atangi veng theiin, calcium an h tha tak ani bawk         Dil buatsaih       Dil buatsaihnan a tiht a tak ani bawk         Holi buatsaih       Holi buatsaihnan a tiht tak chu dil mawng photou ani ani. Chu chuan tui thur a sini chiai ani. C					
ani.       ani.         B complex with antibodie         4th weeks       Coccidiosis- coccidiostat         4-5th Weeks       Calcium tonic fortified of Coccidiostat         FISHERY       Calcium tonic fortified of Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia takanbang thin         Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia takanbang thin         Dil buatsaihnan a tint tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia takanbang thin         Dil buatsaihnan a tint tak chu dil mawng lei thur leh ti a thurdan a zirin chinai ani. Chu chuan tui thur a nilovin natna lak atangi veng theiin, calcium an h tha tak ani bawk         Dil a hnimhnah leh bawl thenfai vek hian dil boru atangin a veng a, sa hlauhawm leh tibuaithe	ianghlim tak pek tur ing pek loh tur ani a, ak sak thut loh tur - an pian atanga ni pek tur ani a, chuan	Chaw a hmuar/thing pek loh tur an chaw eitur thlak sak thut lo ani.	0-3 rd week		
FISHERY       4-5th Weeks       Calcium tonic fortified weeks         Pond       0-2 weeks       Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         Dil buatsaih)       SERCH       Dil mawng lei thur leh ta a thurdan a zirin chinai ani. Chu chuan tui thur a nilovin natna lak atangi veng theiin, calcium an h tha tak ani bawk         LUNCLE       Dil a hnimhnah leh bawl thenfai vek hian dil boru atangin a veng a, sa hlauhawm leh tibuaither	-	ani. <b>B</b> complex with antibodies <b>Coccidiosis-</b> Amprolium	4 th weeks		
FISHERY       Pond       0-2 weeks       Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         (Dil buatsaih)       0-2 weeks       Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         SERCH       Dil mawng lei thur leh th a thurdan a zirin chinai ani. Chu chuan tui thur a nilovin natna lak atangi veng theiin, calcium an h tha tak ani bawk         LUNCLE       Dil a hnimhnah leh bawl thenfai vek hian dil boru atangin a veng a, sa hlauhawm leh tibuaither				S MAMIT	
Pond preparation (Dil buatsaih)       O-2 weeks       Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin       Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin       Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin       Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin         Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d boruak chhia chambang thin       Image: Dil buatsaihnan a tiht tak chu dil mawng pho deuh ani a, chu chuan d atangin a veng a, sa hlauhawm leh tibuaither	tified with B ₁₂		4-5 th Weeks	2	
atangin a veng a, sa hlauhawm leh tibuaithe	ng phoro a lehphut huan dil mawng lei a mbangte a chhuahtir r leh thurloh entir a, chinai phul thin tur i thur a siam tha mai atangin sangha te a m an hmuhnan a thil h bawlhhlawh awmte	<ul> <li>Dil buatsaihnan a tihtur pawi tak chu dil mawng phoro a le deuh ani a, chu chuan dil mawng boruak chhia chambangte a chhr thin</li> <li>Dil mawng lei thur leh thurloh er a thurdan a zirin chinai phul th ani. Chu chuan tui thur a siam th nilovin natna lak atangin sangha veng theiin, calcium an hmuhnan tha tak ani bawk</li> <li>Dil a hnimhnah leh bawlhhlawh a</li> </ul>	SERC	preparation	FISHERI
LAWNGTLAN	a, sangha tan a uaithei rannung lak	55			

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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: Aizawl** 

Bulletin No: - 682/2016/ Bulletin/English

Date of issue: 10th March, 2017

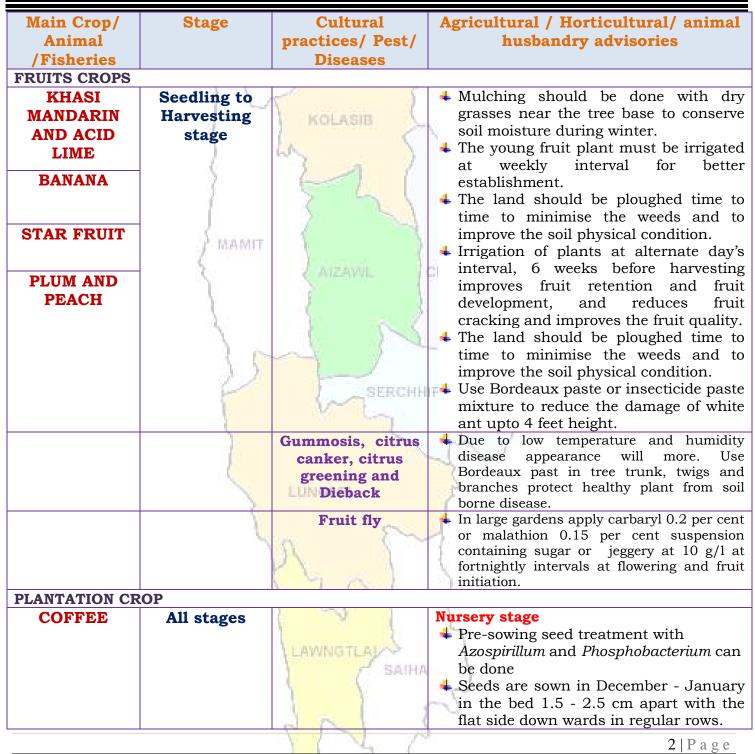
Period: 11 March - 15 March, 2017

	No N	6	1		
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
Rainfall (mm)	17	67	10	0	0
Max Temp (°C)	26	25	25	26	27
Min Temp (°C)	12	12	13	11	10
Cloud Coverage	Partially clear	Partially clear	Partially clear	Clear sky	Clear sky
Max RH (%)	98	99	99	90	82
Min RH (%)	43	70	89	29	18
Wind Speed (KmpH)	4	7	4	4	4
*Wind Direction	S-E	S-E	S-E	E	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 MONSO		•	• •	-	•
Aizawl- 384.87mm	-		Saiha- 307.40 n		236.00mm
(430.2mm)		(359.89mm)	(507.7r		(428.1mm)
Lawngtlai-291.20mm			Mamit-204.87n		-411.72mm
(453.1mm)		(465.14mm)	(442.80r	· · · · · · · · · · · · · · · · · · ·	(259.62mm)
Weather summary		Weather foreca			)17 To 15 th
three day			March, 2		11 1 1 .1
Maximum Tem. (°C):2 Minimum Tem. (°C):1		There are chance		~	U
Maximum RH (%):86-		next 3 days. The			-
Minimum RH (%):34-	<b>F T</b> O (	the next 5 day	5 0		
Wind Direction: Sout	hooston1-	Maximum relativ	<b>.</b>	· · · · ·	0
Cloud cover: Clear sk		99% and minin	•		
Wind speed: 3-4 km/	hr .	would be southe	•	•	-
nina speca. e i iiii,		4-7 km per hour	. Partially clear	r will prevail du	ring the next
Rainfall: 9.1 mm		five days.			
		Weekl	y cumulative i	<b>rainfall: 9</b> 4.0 1	nm
NDVI for Mizoram		North East Region 02 February	²⁰¹⁷ Moderately	wet mildly dr	y/mildly wet
			conditions		
			ckground - Moder		
		0.4-0.5	- Good		
		0.6-0.7	yery G		
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Manipu Arunachal Pradesh shows good vigour.	North- ir and		
		001	No.		
		Y V	177		1   P a g e



#### ICAR RESEARCH COMPLEX FOR NEH REGION

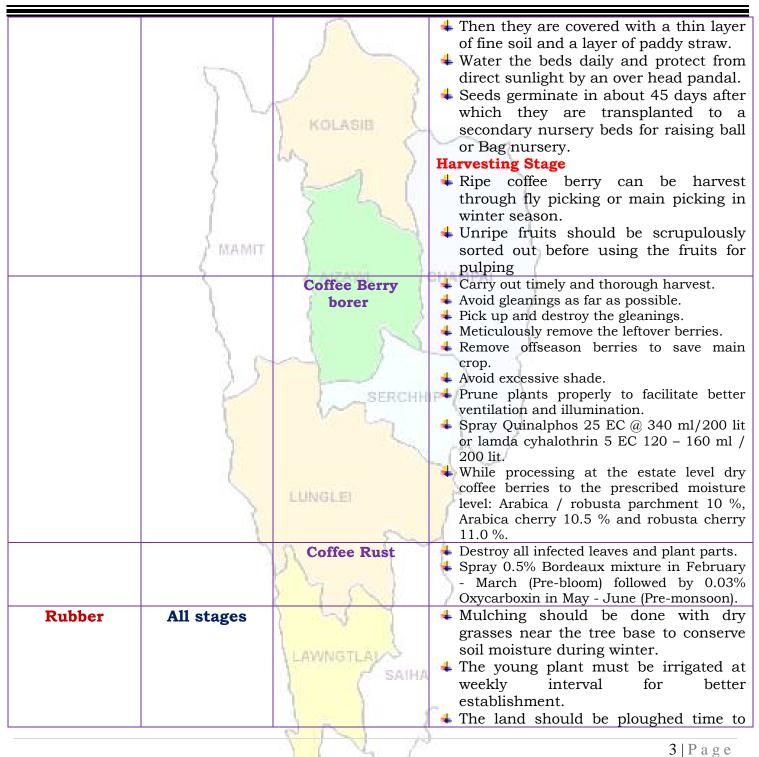






#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	$\mathcal{A}$	<ul> <li>time to minimise the weeds and to improve the soil physical condition.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> </ul>
CEREALS AND I		KOLASIE X.	
Maize ( <i>Jhum</i> )	Land preparation	La C	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> </ul>
Rabi Maize	Cob formation stage MAMIT	AIZAWL	<ul> <li>Light irrigation on every week may be given for better establishment and smooth growth.</li> <li>Earthing up soil near to plant for better support.</li> <li>Maize rust disease will prevail due to high relative humidity with low temperature. Apply Mancozeb Kg/ha for effective control.</li> <li>Remove the alternate host Oxalis comiculata.</li> </ul>
Potato	Vegetative growth stage	LUNGLEI	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Earthing up soil for better aeration of root growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> </ul>
<b>VEGETABLE CRO</b>	OP	- 81 - 700-000	Europe Contraction of
Tomato	Harvesting stage		<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
		Bacterial wilt HA	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> </ul>
		VIN P	4   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)



		A	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	<ul> <li>High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease.</li> <li>Burn all infected leaves.</li> <li>Apply sulfur 5 kg/hectare.</li> <li>Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.</li> </ul>
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	+ Harvest all mature fruits in capsicum.
		Phytopthora blight LUNGLEI	<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	Harvesting stage	A P	<ul> <li>Harvest all mature fruits and keep the seeds dry.</li> <li>Store the seeds for next year sowing.</li> </ul>
Carrot and radish	Harvesting stage	1 W	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Harvest all mature plants.</li> </ul>
Cowpea	Sowing stage	LAWNGTLAUS	✤ Plough the field properly, at least 2-3
		8N2 1	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	N N	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 1.5	in nursery bed.	<b>4</b> Before sowing seed provide one or two
		Provide	irrigation.
	1	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	100 A
		okra field.	
Ginger and	Land		<b>4</b> Remove all weed plant from the
turmeric	preparation	( 2)	selected place.
	1	1	<b>4</b> Keep the plant, leaves and wood for
	) MAMIT		dry.
ANIMAL IIIIODD	NDADY	the second second	🗕 Burn it when it will be dry.
ANIMAL HUSBE		20	A the mosther sets colder your size?
Pig	All stages	1	As the weather gets colder, your pigs' energy requirement will increase, as
	A	$N = \sqrt{2}$	they need more energy to keep warm.
		1 1 2	Regularly monitor their level of 'fitness'
	1.0	~ 1	and increase their feed intake to
	12		maintain.
		SERCHH	Fish oils are excellent for providing
		V Land	slow-release energy with the added
	5		advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	ph.
	Sec.	Syndrome	(
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
0.441-		1 7 al	interval
Cattle	All age group	N LI V	• Due to prolong dry spell there is a
			shortage of green grass in the field. For balanced diet and nutrition to
		A AND A A	your cattle, provide urea molasses
		LAWNGTLAK	treated paddy straw.
		Foot and Mouth	• FMD vaccine at 16 week and repeat
	All age group	Disease (FMD)	• every 6 month.
		DISCASC (FIND)	
		6121	61Do co
			6   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)



	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	Toung stage		<ul> <li>Primary vaccination 6 month or above</li> </ul>
		(BQ)	<ul> <li>Revaccination annually</li> </ul>
Poultry	Litter	1 N	<ul> <li>♣ Birds require adequate space, sufficient</li> </ul>
Foundy		1 8	feed to meet their nutritional
	management	F	requirements and an adequate supply
		KOLASIB	of good-quality water.
	6	1.	Good management and sanitation are
	)	NS (3)	the best ways to avoid infectious
	- S	2 1	disease in poultry.
	1		+ Provide ample quantity of clean
		5. 21	drinking water.
	1		+ Avoid feeding of mouldy feed. Don't
	J MAMIT		make sudden changes in feed
	Preventive	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6)
	measures	Concessione:	days of birth and R ₂ B vaccine for adult
		5	birds.
			B complex with antibodies
		4 th weeks	<b>4 Coccidiosis</b> - Amprolium or
	1 10	~ /	coccidiostat
	12	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	SERCHH	IP (
	Pond	0-2 th weeks	<b>4</b> Drying and tilling of the pond bottom is
	preparation	1 C C C C C C C C C C C C C C C C C C C	an important step in preparation of
			pond which enables release of toxic
			gases from the pond bottom.
		LUNGLEI	<b>+</b> The pH of the pond bottom soil needs
	1		to be tested and appropriate quantity of
		5	lime should be applied depending on
		0 0~	the soil pH. Liming not only helps in
			correcting the pH but helps in preventing disease as well as acts as a
		Yal	source of calcium for the fishes.
	-	N LIN	4 Complete eradication of aquatic weeds
		1 N	helps in avoiding deterioration of pond
		Construction and the	environment and protecting fishes from
		LAWNGTLA	unwanted fishes and aquatic insects.
	·	SAIHA	
			7
		1 2 1	
		61 N	710
			7   P a g e



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



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LAWNGTLA SAIHA

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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,

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**District:** Aizawl

Bulletin No:	682/20	)16/ Bulletin	/Mizo

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

Rainfall (mm)17671000Max Temp (%C)2625252627Min Temp (%C)1212131110Cloud CoveragePartially clearPartially clearPartially clearClear skyClear skyMin RH (%)9899999082Min RH (%)9899999082Min RH (%)4370892918Wind Speed (KmpH)47444*Wind DirectionS-ES-ES-EEENorth-Easterly- N.E, Easterly- R.South-Easterly- S-B, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizavl-384.87mmChamphai-105.48mmSalha-307.40 mmKolasib-236.00mm(430.2mm)(435.14mm)(442.80mm)(259.62mm)(445.14mm)(442.80mm)(259.62mm)(259.62mm)Weather summary of the past three days11th March-15th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum RH (%):34-61% Wind speed: 3-4 km/hr11th March-15th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiRainfall: 9.1 mmWeekly cumulative rainfall: 94.0mmNDVI for MizoramImmImmetion and the run in the deviation form southeasterly Goud cover: Clear sky Wind speed: 3-4 km/hrNDVI for MizoramImmetion and southeasterly and southeasterly and southeasterly and southeasterlyImmetion and southeasterly and southeasterly<		N N	1	1		
Max Temp (°C)2625252627Min Temp (°C)121212131110Cloud CoveragePartially clearPartially clearPartially clearClear skyClear skyMax RH (%)989999999082Min RH (%)4370892918Wind Speed (KmpH)47444Wind DirectionS-ES-ES-EEENortherly- N, North-Easterly- N. E, Easterly- E, South-Rasterly- S. South-Vesterly- S. South-Westerly- S. South-Westerly- S. South-Westerly- S. South-Westerly- N. W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm)Lawngtlai- 291.20mm (430.2mm)Lunglei-326.00mm (359.89mm)Mamil-204.87mm (507.7mm)Serchlip-411.72mm (428.1mm)Weather summary of the past three days11th March- 15th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C):24-26°C Minimum RH (%):35-96% Minimum RH (%):35-96% Minimum RH (%):35-96%Tun ni 4 chhung lo awm turah hian ruahtui tla miahlé tura beisei a ni. Khua a lum lai berin 12-28% C an iang a. A wawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rin awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Moderately wet mildly dry/mildly wet conditionsNDVI for MizoramMeteram Weteram Weteram Weteram <th>Parameters</th> <th>11.03.2017</th> <th>12.03.2017</th> <th>13.03.2017</th> <th>14.03.2017</th> <th>15.03.2017</th>	Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
Min Temp [°C)121212131110Cloud CoveragePartially clearPartially clearPartially clearClear skyClear skyMax RH (%)9899999082Min RH (%)4370892918Wind Speed (KmpH)47444*Wind DirectionS-ES-ES-ES-EENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S, South-Westerly- S, South-Westerly- S, W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(1359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmManit-204.87mmSerchhip-411.72mm(453.1mm)Lunglei-326.00mmManit-204.87mmSerchhip-411.72mm(453.1mm)ChagesClassical and the anal to a classical and the anal to a clas	Rainfall (mm)	17	67	10	0	0
Cloud Coverage Max RH (%)Partially clear 98Partially clear Partially clearClear sky 	Max Temp (°C)	26	25	25	26	27
Max RH (%)9899999082Min RH (%)4370892918Wind Speed (KmpH)47444Wind DirectionS-ES-ES-EEENortherly- N, North-Easterly- S-W, Westerly- W, North-westerly- S-W, Westerly- S-W, Wester	Min Temp (°C)	12	12	13	11	10
Min RH (%)4370892918Wind Speed (KmpH)47444*Wind DirectionS-ES-ES-EEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai-105.48mmSaiha-307.40 mmKolasib-236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lat berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.NDVI for MizoramWeekly cumulative rainfall: 94.0mmNDVI for MizoramMatter Mater and and the summary of the past tura beiser ani.Moderately wet mildly dry/mildly wet onditions	Cloud Coverage	Partially clear	Partially clear	Partially clear	Clear sky	Clear sky
Wind Speed (KmpH)47444*Wind DirectionS-ES-ES-EEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(435.18mm)(507.7mm)(428.1mm)(453.1mm)Lawngtia-226.00mmMamit-204.87mmSerchhip-411.72mm(455.14mm)(442.80mm)(259.62mm)Weather summary of the past three days11th March- 15th March, 2017 chhunga sik leh sa dinhmun tur tilangpuiMaximum Tem. (°C):13-15°C Minimum RH (%):86-96% Minimum RH (%):86-	Max RH (%)	98	99	99	90	82
*Wind DirectionS-ES-ES-ES-EEENortherly- N, North-Easterly- N. E, Easterly- E, South-Easterly- S. Southerly- S. Southerly- S. Southerly- S. W, Westerly-W, North-westerly- N.W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three days11 th March- 15 th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C):13.15°CTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rin niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 9.1 mmWeekly cumulative rainfall: 94.0mmNDVI for MizoramImmetered average Meremetered averageNDVI for MizoramImmetered average Meremetered average	Min RH (%)	43	70	89	29	18
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm Champhai- 105.48mm Saiha- 307.40 mm Kolasib- 236.00mm (428.1mm) (428.1mm) (453.1mm) (453.1mm) (455.14mm) (507.7mm) (428.1mm) (455.14mm) (455.14mm) (259.62mm)Weather summary of the past three daysI1th March- 15th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C):13-15°C Minimum RH (%):86-96% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 3-4 km/hrTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.NDVI for MizoramWet Met at the train and the second and the sec	Wind Speed (KmpH)	4	7	4	4	4
Southerly- S. South-Westerly- S. W. Westerly-W. North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three days11 th March-15 th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C):24-26°CTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A wawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 9.1 mmWeekly cumulative rainfall: 94.0mmNDVI for MizoramMetre term term of the there were there there are the transmit of the there of the term term of the there were there there are the term term of the there were there there are the term term of the there of the term term of the there were there there are the term term of term term of the term term of term t	*Wind Direction	S-E	S-E	S-E	E	E
Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm)Lawngtlai-291.20mm (453.1mm)Lunglei-326.00mm (453.1mm)Mamit-204.87mm (428.1mm)Serchhip-411.72mm (428.1mm)Weather summary of the past three days11th March- 15th March, 2017 chhunga sik leh sa dinhmun tur tlangpui11th March- 208.00mmMaximum Tem. (°C):24-26°C Minimum Tem. (°C):13-15°C Maximum RH (%):86-96% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 3-4 km/hrTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 12-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.NDVI for MizoramMettarefer Wind Speed: 3-4 km/hr Rainfall: 9.1 mmModerately wet mildly dry/mildly wet for Mizoram	Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Weather summary of the past three days11th March- 15th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C):24-26°C Minimum Tem. (°C):13-15°C Maximum RH (%):86-96% Minimum RH (%):34-61% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 3-4 km/hrTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 9.1 mmWeekly cumulative rainfall: 94.0mmNDVI for MizoramImage of the the the transmitter of the term of term	Aizawl- 384.87mm (430.2mm) Lawngtlai-291.20mm	Champhai Lunglei-	i- 105.48mm (359.89mm) 326.00mm ]	Saiha- 307.40 n (507.7n Mamit-204.87n	nm Kolasib- nm) nm Serchhip	236.00mm (428.1mm) 0-411.72mm
three dayssa dinhmun tur tlangpuiMaximum Tem. (°C):24-26°C Minimum Tem. (°C):13-15°C Maximum RH (%):86-96% Minimum RH (%):34-61% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 3-4 km/hrTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 9.1 mmWeekly cumulative rainfall: 94.0mmNDVI for MizoramImage: Gamma and the set of the set						· /
Maximum Tem. (°C):24-26°C Minimum Tem. (°C):13-15°C Maximum RH (%):86-96% Minimum RH (%):34-61% Wind Direction: Southeasterly Cloud cover: Clear sky Wind speed: 3-4 km/hrTun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 21-28°C a ni ang a. A vawh lai ber in 10-13°C ni tura beisei a ni. RH san lai berin 82-99% leh a hniam lai berin 18-89% ni tur a rim niin. Thli hi darkar khatah 4-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 9.1 mmWeekly cumulative rainfall: 94.0mmNDVI for MizoramNoderately wet mildly dry/mildly wet onditions						ga sik icii
Arriculture vigour is moderate over most of the parts in North- Eastern tartes, whereas free patches in Assam, Manipur and Annachal Pradesh shows good vigour.	Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):86- Minimum RH (%):34-0 Wind Direction: Sout: Cloud cover: Clear sk Wind speed: 3-4 km/ Rainfall: 9.1 mm	24-26°C / 3-15°C / 96% / 61% / heasterly / y //hr	Tun ni 4 chhun tura beisei a ni. vawh lai ber in berin 82-99% le niin. Thli hi dar awi zawngin a tle hian khawthiang <b>Weekl</b>	ng lo awm tura Khua a lum lai 10-13ºC ni tu h a hniam lai kar khatah 4-7 ch rin a ni. A tl g tak hmuh beis <b>y cumulative</b>	ah hian ruahtu berin 21-28°C ara beisei a ni berin 18-89% 7 km vela chak angpuiin tun n sei a ni. <b>rainfall: 94.0r</b>	a ni ang a. A . RH san lai ni tur a rin tin chhaklam i nga chhung <b>nm</b>
1   P a g e	NDVI for Mizoram		Articular views is moderate over most of the parts in the	e soll/w Seround } Modes } Good } wry d Worth-	wet mildly dr	



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

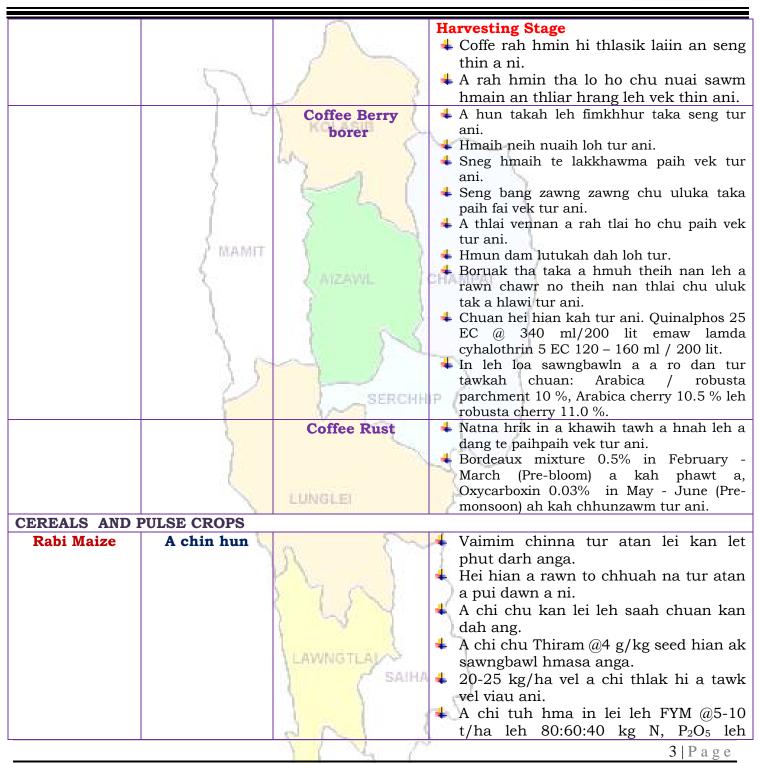


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	I
KHASI	A kui atanga	20	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULROID	velah dahkhawm tur ani.
LIME		LA. N	4 Thlai naupang deuah chuan chawlh
	6	3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		2	te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1 menner	1	taka pek hian a rah tla tur chelh nan
PLUM AND	2	A AIZAWIL	leh a rah than that nan te leh a rah
		1	keh tur lakah t a veng thei ani.
PEACH			Transactory hair we heter hit has seen a seen
	1	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
	100	greening and Dieback	a trangah te hnawih tur ani.
		Fruit fly RCHH	+ Huan zau takah chuan a par tan tirh leh a
	1000	A REAL	rah tan tirin chawlhkar hnih chhung chu
		Y La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR		EGINGLEI	
COFFEE	All stages		Nursery stage
	1	0	+ Thlai chi thlak hma in Azospirillum leh
	1	0 (~~	<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmun</li> </ul>
		31	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		M AL	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			<b>4</b> Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAK	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
		19 - A	$\stackrel{\text{curr}}{=}$ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		201	
		VIL /	2   P a g e



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







**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 CRO	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	LAWNGTLAU	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>
		612 1	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	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		<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>
		8 M 2	<b>5</b> 1D
			5   P a g e



**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>
	AMIT	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	LAWNGTLA	<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>
		PN /	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)



	Preventive measures	0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> <li><b>Coccidiosis-</b> Amprolium or</li> </ul>
	- E	H- WEEKS	Coccidiosis- Amprolium or coccidiostat
	7 MAMIT	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY	1	ANZAWIL I	CHAMPAI
	Pond preparation (Dil buatsaih)	0-2 weeks SERCHH	<ul> <li>Dil buatsaihnan a tihtur pawimawh tak chu dil mawng phoro a lehphut deuh ani a, chu chuan dil mawng lei a boruak chhia chambangte a chhuahtin thin</li> <li>Dil mawng lei thur leh thurloh entir a, a thurdan a zirin chinai phul thin tur ani. Chu chuan tui thur a siam tha mai nilovin natna lak atangin sangha te a veng theiin, calcium an hmuhnan a thil tha tak ani bawk</li> <li>Dil a hnimhnah leh bawlhhlawh awmte thenfai vek hian dil boruak chhetur lak atangin a veng a, sangha tan a hlauhawm leh tibuaithei rannung lak atangin a veng thei bawk</li> </ul>
		LAWNGTLAY	7  Page



#### **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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CHAMPAI



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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: 11 March - 15 March, 2017

<b>Bulletin</b>	No:	682	/2016/	Bulletin	/English
		-	1		1

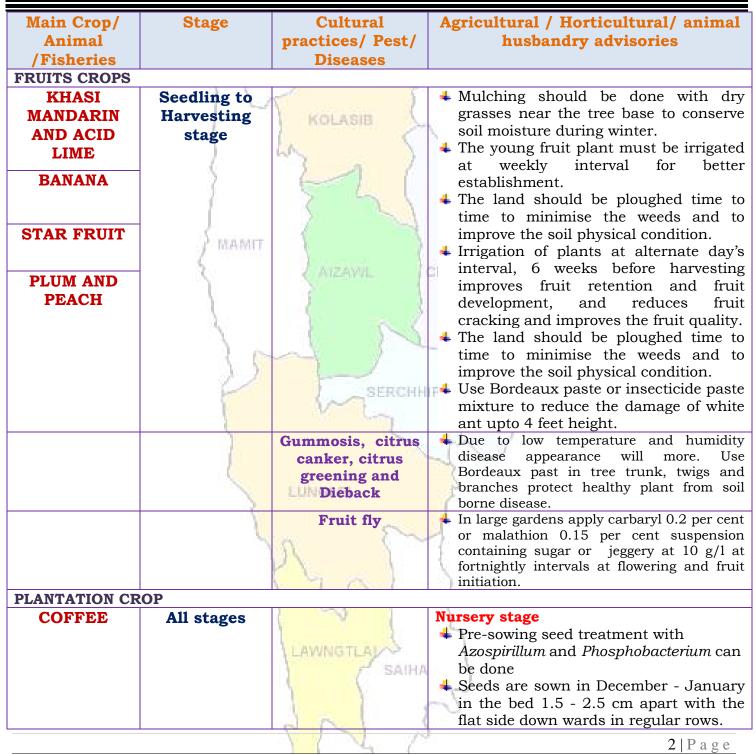
Date of issue: 10th March, 2017

	1000 AND						
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017		
Rainfall (mm)	10	35	10	0	0		
Max Temp (°C)	26	26	25	26	27		
Min Temp (°C)	15	15	15	13	12		
Cloud Coverage	Mainly cloudy	Partially clear	Partially clear	Clear sky	Clear sky		
Max RH (%)	92	98	98	85	69		
Min RH (%)	41	63	91	31	18		
Wind Speed (KmpH)	4	4	4	4	6		
*Wind Direction	S	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> ,			
		Vesterly- <mark>S-W</mark> , We					
STATUS OF MONSO					arenthesis)		
<b>Aizawl-</b> 384.87mm	Champha	i- 105.48mm	Saiha- 307.40 n	nm Kolasib-	236.00mm		
(430.2mm)		(359.89mm)	(507.7r	nm)	(428.1mm)		
Lawngtlai-291.20mm	Lunglei-	326.00mm	Mamit-204.87n	nm Serchhip	-411.72mm		
(453.1mm)		( <b>465.14mm</b> )	(442.80r	nm)	(259.62mm)		
Weather summary	of the past	Weather foreca	ast valid from	11 th March, 20	<b>)17 To 15th</b>		
three day	s		March, 2	2017.			
Maximum Tem. (°C):2	25-27°C	There are chances of moderate to heavy rainfall during the					
Minimum Tem. (°C):1		next 3 days. The maximum and minimum temperatures for					
Maximum RH (%):84-		the next 5 days may range for 25-27°C and 12-15°C.					
Minimum RH (%):24-	400/	Maximum relativ	· · ·				
Wind Direction: Sout		98% and minin	Ũ	<b></b>	0		
Cloud cover: Mainly o			0				
Wind Speed: 4 km/hr		would be southerly to southeasterly with the wind speed of					
		4-6 km per hour. Partially clear sky will prevail during the					
Rainfall: 31.2 mm		next five days.					
				rainfall: 55.0 1			
NDVI for Mizoram		North East Region 02 February		wet mildly dr	y/mildly wet		
			conditions				
			ckground } Moder				
		0.4-0.5	Good				
		0.5-0.7	- Very G				
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Manipu	North- ar and				
		Arunachal Pradesh shows good vigour.					
		612	2		1   D		
			S		1   P a g e		



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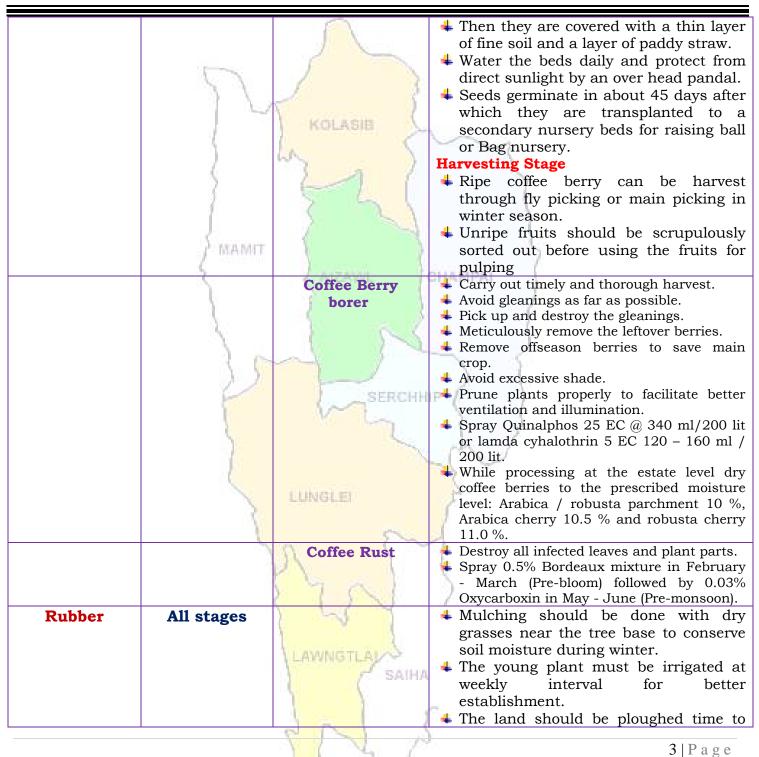






#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	$\sum$	<ul> <li>time to minimise the weeds and to improve the soil physical condition.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> </ul>
CEREALS AND I			
Maize (Jhum)	Land preparation	LASIS E	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> </ul>
Rabi Maize	vegetative stage MAMIT	AIZAWA	<ul> <li>Light irrigation on every week may be given for better establishment and smooth growth.</li> <li>Earthing up soil near to plant for better support.</li> <li>Maize rust disease will prevail due to high relative humidity with low temperature. Apply Mancozeb Kg/ha for effective control.</li> <li>Remove the alternate host Oxalis comiculata.</li> </ul>
Potato	Vegetative growth stage	LUNGLEI	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Earthing up soil for better aeration of root growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> </ul>
VEGETABLE CRO			
Tomato	Harvesting stage	LAWNGTLAL	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as a mulch.</li> <li>Harvest all the mature which colour change to pale yellow to red.</li> </ul>
		Bacterial wilt HA	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is most favorable for the disease.</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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		A	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	<ul> <li>High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease.</li> <li>Burn all infected leaves.</li> <li>Apply sulfur 5 kg/hactore.</li> <li>Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.</li> </ul>
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	+ Harvest all mature fruits in capsicum.
		Phytopthora blight LUNGLEI	<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	Harvesting stage	AP	<ul> <li>Harvest all mature fruits and keep the seeds dry.</li> <li>Store the seeds for next year sowing.</li> </ul>
Carrot and radish	Harvesting stage	1 LA	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Harvest all mature plants.</li> </ul>
Cowpea	Sowing stage	LAWNGTLAUS	✤ Plough the field properly, at least 2-3
		8N2 1	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



			Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	N N	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 1.	in nursery bed.	<b>4</b> Before sowing seed provide one or two
		Provide	irrigation.
	1	irrigation in	+ Provide fertilizer @ 120: 60: 60 Kg/ha
	)	transplanted	
		okra field.	
Ginger and	Land		+ Remove all weed plant from the
turmeric	preparation	( A )	selected place.
			4 Keep the plant, leaves and wood for
	/ MAMIT		dry.
	a surranne	the second	🕇 Burn it when it will be dry.
ANIMAL HUSBE			
Pig	All stages	5	+ As the weather gets colder, your pigs
	A.C.	1 2 2	energy requirement will increase, as
		( ) >>	they need more energy to keep warm. Regularly monitor their level of 'fitness'
	1 1	~ 1	and increase their feed intake to
	$( \langle \langle \rangle \rangle)$		maintain.
		SERCHH	
		W L	slow-release energy with the added
			advantage of a high level of omega-3.
	198	Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
	1	Respiratory	No. 1
	S.	Syndrome	6
	1	(PRRS).	(
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
			interval
Cattle	All age group	$\langle \langle \rangle \rangle$	• Due to prolong dry spell there is a
			shortage of green grass in the field.
			For balanced diet and nutrition to
		LAWNGTLA	your cattle, provide urea molasses
		- SAIHA	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
		en l	
		NY V.	6   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)



Poultry       Litter management <ul> <li>Revaccination annually</li> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> <li>Rankihet Disease F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.</li> <li>B complex with antibodies</li> <li>Good disease f1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul> <li>Fishery</li> <li>Pond preparation</li> <li>O-2th weeks</li> <li>Coccidiosistar and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied depending on the solid betweeks to be tested and appropriate quantity of lime should be applied for the fishes.</li> <li>Complete eradication of aquatic weeks to be tested and appropriate quantity of lime should be the pond botto</li>		Young stage	Black Quarter	Black Quarter Vaccine (BQV).
Poultry       Litter management <ul> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> <li>Avoid feeding of birth and R₂B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul> <li>FISHERY</li> <li>Pond preparation</li> <li>O-2th weeks</li> <li>Coccidiosis- for the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.</li> <li>The pH of the pond bottom.</li> <li>Source of calcium for the fishes.</li> <li>Complete cradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.</li>		Toung stage		
Poultry       Litter management       # Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.         Cood management meet their nutritional requirements and an adequate supply of good-quality water.       Cood management and sanitation are the best ways to avoid infectious disease in poultry.         Preventive measures       0-3 rd week       # Ranikhet Disease- F1 vaccine at (1-6) days of birth and R2B vaccine for adult birds.         Preventive measures       0-3 rd week       # Coccidiosisa- Amprolium or coccidiostat         4 th weeks       # Coccidiosisa- Amprolium or coccidiostat         FISHERY       0-2 th weeks       # Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in reventing disease and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in reventing disease and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in reventing disease and appropriate weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.			(DQ)	-
management       KCLASTE       feed to meet their nutritional requirements and an adequate supply of good quality water.         Good management and sanitation are the best ways to avoid infectious disease in poultry.       Good management and sanitation are the best ways to avoid infectious disease in poultry.         Preventive measures       0-3 rd week       # Avoid feeding of mouldy feed. Don't make sudden changes in feed         Preventive measures       0-3 rd week       # Ranikhet Disease- F1 vaccine at (1-6) days of birth and RB vaccine for adult birds.         4 th weeks       # Coccidiosis- Amprolium or coccidiostat         4 5th Weeks       # Calcium tonic fortified with B12         FISHERY       0-2th weeks       # Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         UNGLE       The pH of the pond bottom soil needs to be tested and appropriate quantity of line should be applied depending on the soil pH. Liming not only helps in preventing disease as well as acts as a source of calcium for the fishes.         4 Complete eradication of aquate weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.	Poultry	Litter		2
Image and a sequence of the point the point of the point of the point of the p	routtry		1 1	
Image: constraint of good-quality water.       Good management and sanitation are the best ways to avoid infectious disease in poultry.         Provide ample quantity of clean drinking water.       Provide ample quantity of clean drinking water.         Avoid feeding of mouldy feed. Don't make sudden changes in feed       Avoid feeding of mouldy feed. Don't make sudden changes in feed         Preventive measures       0-3 rd week       Ramithet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.         4       Coccidiosis- Amprolium or coccidiostat       Coccidiosis- Amprolium or coccidiostat         4-5th Weeks       Coccidiosis- Amprolium or coccidiostat         FISHERY       O-2th weeks       Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         LUNGLE       The pH of the pond bottom.       The pH of the pond bottom.         LUNGLE       Complete eradication of aquatic weeks is a source of calcium for the fishes.       Complete eradication of aquatic weeks is a source of aclium for the fishes.		management	1	
Good management and sanitation are the best ways to avoid infectious disease in poultry.         Provide ample quantity of clean drinking water.         Preventive measures       0-3 rd week         4th weeks       4 Ranikhet Disease - F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.         4 th weeks       4 Coccidiosis - Amprolium or the solid pitch - Amprolium or the solid pitch - Amprolium or the solid pitch - Amprolium or t			KOLASIB	
Image: Second			1.	
<ul> <li>Bernald And Antiperiod Antiperi</li></ul>		)	60 J	
<ul> <li>Preventive measures</li> <li>O-3 rd week</li> <li>Preventive measures</li> <li>O-3 rd week</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> <li>Ranikhet Disease- F1 vaccine at (1-6) days of birth and R₂B vaccine for adult birds.</li> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or coccidiostat</li> <li>Calcium tonic fortified with B₁₂</li> </ul> FISHERY Pond preparation O-2th weeks <ul> <li>Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.</li> <li>The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.</li> <li>Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.</li> </ul>		- S	111	
MAMIT       Avoid feeding of mouldy feed. Don't make sudden changes in feed         Preventive measures       0-3 rd week         4th weeks       Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.         4th weeks       E Coccidiosis- Amprolium or coccidiostat         4-5th Weeks       Calcium tonic fortified with B12         FISHERY       O-2th weeks         Pond preparation       O-2th weeks         Coccidiosis- Improvement and properties of toxic gases from the pond bottom.         LUNGLE       The pH of the pond bottom.         Correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.         Complete eradication of aquatic weeds helps in avoiding deterioration of pond which enables from unwanted fishes and aquatic insects.				
Preventive measures       0-3 rd week       4 Avoid feeding of mouldy feed. Don't make sudden changes in feed         Preventive measures       0-3 rd week       4 Ranikhet Disease- F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.         4 th weeks       4 Coccidiosis- Amprolium or coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B ₁₂ FISHERY       0-2th weeks       4 Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         The pH of the pond bottom.       4 The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in preventing disease as well as acts as a source of calcium for the fishes.         4 Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.		1		1 1 5
Preventive measures       0-3 rd week       # Ranikhet Disease- F1 vaccine at (1-6) days of birth and R2B vaccine for adult birds.         4 th weeks       # B complex with antibodies         4 th weeks       # Coccidiosis- Amprolium or coccidiostat         7 Coccidiostat       # Calcium tonic fortified with B12         FISHERY       # Calcium tonic fortified with B12         Pond preparation       0-2th weeks         Pond preparation       0-2th weeks         * Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         * The pH of the pond bottom.         * The pH of the pond bottom.         * The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in correcting the pH but helps in correcting disease as well as acts as a source of calcium for the fishes.         * Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.			11	
Preventive measures       0-3 rd week       4 Ranikhet Disease- F1 vaccine at (1-6) days of birth and R2B vaccine for adult birds.         4th weeks       4 complex with antibodies         4th weeks       4 Coccidiosis- coccidiosisat         4-5th Weeks       4 Calcium tonic fortified with B12         FISHERY       0-2th weeks         Pond preparation       0-2th weeks         4       Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         4       The pH of the pond bottom.         4       The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in preventing disease as well as acts as a source of calcium for the fishes.         4       Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.		MAMIT		
measures       days of birth and R2B vaccine for adult birds.         4 th weeks       B complex with antibodies         4 th weeks       Coccidiosis- Amprolium or coccidiostat         4.5th Weeks       Calcium tonic fortified with B12         FISHERY       O-2th weeks         Pond preparation       0-2th weeks         Y       The pH of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         Y       The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.         Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.			0-3 rd week	
Junction       Junction <td< th=""><th></th><th></th><th>C MICANIC</th><th></th></td<>			C MICANIC	
4th weeks       4 Coccidiosis- coccidiostat       Amprolium or coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B12         FISHERY       0-2th weeks       4 Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1		measures		
4th weeks       4 Coccidiosis- coccidiostat       Amprolium or coccidiostat         4-5th Weeks       4 Calcium tonic fortified with B12         FISHERY       0-2th weeks       4 Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1       1         1       1			5	<b>H</b> B complex with antibodies
Pond       0-2 th weeks       Calcium tonic fortified with B ₁₂ FISHERY       0-2 th weeks       Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.         Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.		1	4 th weeks	
Y       Y         Pond preparation       0-2 th weeks         Pond preparation       0-2 th weeks         +       Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         +       The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.         +       Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.		)	all some	
Pond preparation       0-2th weeks       Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         Image: Ima			4-5 th Weeks	
Pond preparation       0-2th weeks       Drying and tilling of the pond bottom is an important step in preparation of pond which enables release of toxic gases from the pond bottom.         Image: Ima	FISHERY	1		
preparation       an important step in preparation of pond which enables release of toxic gases from the pond bottom.         The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.         Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.	-	Pond	0.2th weeks	+ Drying and tilling of the pond bottom is
<ul> <li>pond which enables release of toxic gases from the pond bottom.</li> <li>The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.</li> <li>Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.</li> </ul>			U-2 WCCRS	
gases from the pond bottom.         The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.         Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.		preparation		
<ul> <li>The pH of the pond bottom soil needs to be tested and appropriate quantity of lime should be applied depending on the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.</li> <li>Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.</li> </ul>		100		-
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<ul> <li>the soil pH. Liming not only helps in correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.</li> <li>Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.</li> </ul>		2	CONGEDI	to be tested and appropriate quantity of
<ul> <li>correcting the pH but helps in preventing disease as well as acts as a source of calcium for the fishes.</li> <li>Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.</li> </ul>		1		lime should be applied depending on
preventing disease as well as acts as a source of calcium for the fishes.         Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.			-~3 E~~	the soil pH. Liming not only helps in
source of calcium for the fishes. Source of calcium for the fishes. Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.				correcting the pH but helps in
Complete eradication of aquatic weeds helps in avoiding deterioration of pond environment and protecting fishes from unwanted fishes and aquatic insects.				y preventing disease as well as acts as a
LAWNGTLAI LAWNGTLAI SAMA SAMA SAMA SAMA SAMA SAMA SAMA SA				
LAWNGTLANS environment and protecting fishes from unwanted fishes and aquatic insects.			1 45 4	<b>4</b> Complete eradication of aquatic weeds
unwanted fishes and aquatic insects.				helps in avoiding deterioration of pond
unwanted lishes and aquatic insects.			LAWNGTI AL	environment and protecting fishes from
20155			PARA PARA	unwanted fishes and aquatic insects.
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71Daga			101	
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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:** Champhai

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Bulletin No: - 682	/2016/	Bulletin	/Mizo	

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

	10 M	P.					
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017		
Rainfall (mm)	10	35	10	0	0		
Max Temp (°C)	26	26	25	26	27		
Min Temp (°C)	15	15	15	13	12		
Cloud Coverage	Mainly cloudy	Partially clear	Partially clear	Clear sky	Clear sky		
Max RH (%)	92	98	98	85	69		
Min RH (%)	41	63	91	31	18		
Wind Speed (KmpH)	4	4	4	4	6		
*Wind Direction	S	S-E	S-E	S-E	S-E		
		Easterly- <mark>N-E</mark> , Eas Vesterly- <mark>S-W</mark> , We					
STATUS OF MONSO					a man (1) a cia)		
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm		
(430.2mm)	· · · · · · · · · · · · · · · · · · ·	(359.89mm)	(507.7r		(428.1mm)		
Lawngtlai-291.20mm			(307.71) Mamit-204.87n		-411.72mm		
(453.1mm)		465.14mm)	(442.80r		(259.62mm)		
Weather summary			•	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
three day	· · · · · · · · · · · · · · · · · · ·	11 th March-			ga sik len		
			<mark>a dinhmun t</mark>				
Maximum Tem. (°C):2		Tun ni 3 chhur	0				
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 25-27°C a ni ang a. A					
Maximum RH (%):84-		vawh lai ber in	12-15°C ni tu	ıra beisei a ni	. RH san lai		
Minimum RH (%):24-		berin 69-98% le	h a hniam lai	berin 18-91%	ni tur a rin		
Wind Direction: Sout		niin. Thli hi dar	kar khatah 4-6	6 km vela chak	in chhaklam		
Cloud cover: Mainly of		awi zawngin a tle	eh rin a ni. A tl	angpuiin tun n	i nga chhung		
Wind Speed: 4 km/hn		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.					
De 14 6-11- 01-0			,				
Rainfall: 31.2 mm		Weekl	u cumulative	rainfall: 55.0r	nm		
		W CCAL	g cumululle	rungun oo.or			
NDVI for Mizoram		North East Region 02 February	2017 Moderately	wet mildly dr	v/mildly_wet		
		AT3	conditions	wet innuly ui	y/iiiiuiy wet		
			ckground				
			1				
		0.5-0.6 0.6-0.7	} Very G				
		Agriculture vigour is moderate over most of the parts in	North-				
		Eastern states, whereas few patches in Assam, Manipu Arunachal Pradesh shows good vigour.	ir and				
		612	2		1   D		
					1   Page		



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

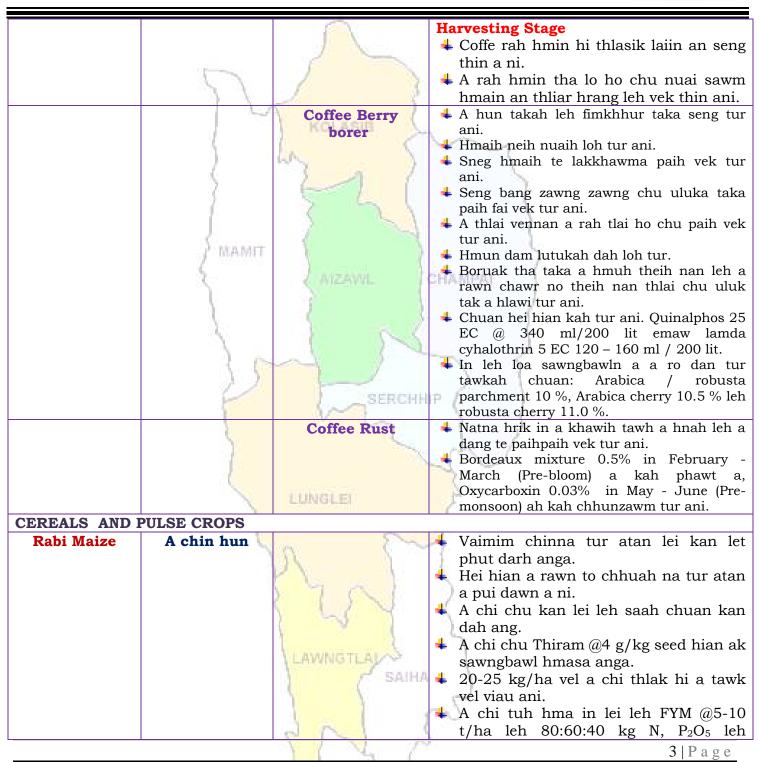


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		) NOLKOID	velah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



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2	$\sum_{i=1}^{n}$	$K_2O/ha$ pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
Tomato	Bacterial Blight disease		<ul> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>
Early Cole crop	Black spot disease	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 6	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	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		<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>
		8 M 2	<b>5</b> 1D
			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>
	{ 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
	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	LAWNGTLA	<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>
		PN /	6   P a g e



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



	Preventive	0-3 rd week	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. <b>Ranikhet</b> Disease- an pian atanga ni
	measures	4th weeks	4	<ul> <li>1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani.</li> <li>B complex with antibodies</li> <li>Coccidiosis- Amprolium or</li> </ul>
	AMAMIT		-	coccidiostat
	7 Startstan	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	<u> </u>		CH/	AMPAI
	Pond preparation (Dil buatsaih)	0-2 weeks		Dil buatsaihnan a tihtur pawimawh tak chu dil mawng phoro a lehphut deuh ani a, chu chuan dil mawng lei a boruak chhia chambangte a chhuahtir thin
	T		P ⁺	Dil mawng lei thur leh thurloh entir a a thurdan a zirin chinai phul thin tur ani. Chu chuan tui thur a siam tha mar nilovin natna lak atangin sangha te a veng theiin, calcium an hmuhnan a thi tha tak ani bawk
	Z		1	Dil a hnimhnah leh bawlhhlawh awmte thenfai vek hian dil boruak chhetur lak atangin a veng a, sangha tan a hlauhawm leh tibuaithei rannung lak atangin a veng thei bawk
		LAWNGTLAK	3	
		201		



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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:** Kolasib

Bulletin No: - 682/2016/ Bulletin/English

Date of issue: 10th March, 2017

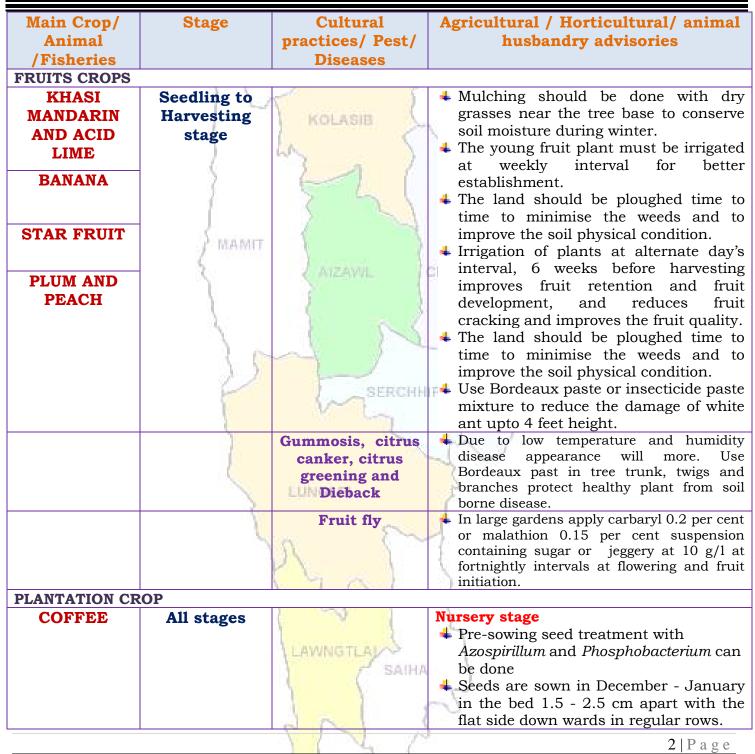
Period: 11 March - 15 March, 2017

Parameters         11.03.2017         12.03.2017         13.03.2017         14.03.2017         15.03.2017           Rainfall (mm)         17         50         8         0         0           Max Temp (°C)         25         25         26         27           Min Temp (°C)         14         14         14         12         11           Cloud Coverage         Mainly clear         Mainly clear         Partially clear         Clear sky         Clear sky           Max RH (%)         98         99         99         92         88           Min RH (%)         43         70         88         29         19           Wind Speed (KmpH)         4         6         4         4         4           "Wind Direction         S-E         S         S         E         E           Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.         STATUS OF MONSOON- June 1-30, 2016 ( <i>Percent of deviation from normal in parenthesis</i> )           Aizawi 384.87mm         Champhai- 105.48mm         Solf.42.80mm)         (428.1mm)           Lawetlai-291.20mm         Langlei-326.00mm         Mamit-204.87mm         Serchhip-411.72mm           (453.1mm)         (465.14mm)         (442.80mm)         (259.62mm) <t< th=""><th></th><th>No. March</th><th></th><th></th><th></th><th></th></t<>		No. March				
Max Temp (°C)2525252627Min Temp (°C)141414141211Cloud CoverageMainly clearMainly clearMainly clearPartially clearClear skyClear skyMax RH (%)989999999288Min RH (%)4370882919Wind Speed (KmpH)46444*Wind DirectionS-ESS-EEENortherly- R, North-Easterly- N.E, Easterly- R, South-Westerly- S. W, Westerly- W, North-westerly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphal- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(a55.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.1mm)(259.62mm)Weather summary of the past three daysMarch, 2017.There are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C. Maximum relative humidity is expected in the range of 88- 9% and minimum may from 19-88%. Wind direction would be southeasterly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.Weekly cumulative rainfall: 12.0 mmWeekly cumulative rainfall: 75.0 mmNDVI for MizoramWeekly cumul	Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
Min Temp (°C)1414141211Cloud CoverageMainly clearMainly clearPartially clearClear skyClear skyMax RH (%)989999999288Min RH (%)4370882919Wind Speed (KmpH)46444*Wind DirectionS-ESS-EEENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- N-W.Statuslawing and the statuslawing and th	Rainfall (mm)	17	50	8	0	0
Cloud CoverageMainly clearMainly clearPartially clearClear skyClear skyMax RH (%)9899999288Min RH (%)4370882919Wind Speed (KmpH)46444*Wind DirectionS-ESS-EEENortherly- N, North-Easterly- N.E, Easterly- E, South-Easterly- N.W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai-105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(455.14mm)(445.14mm)(259.62mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th Maximum RH (%):73-85%There are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C.Minimum RH (%):73-85%March, 2017.Wind Speed: 3 km/hrWind speed: 3 km/hrRainfall: 12.0 mmWeekly cumulative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramMetatlewModerately wet mildly dry/mildly wet conditions	Max Temp (°C)	25	25	25	26	27
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Wind Speed (KmpH)46444*Wind DirectionS-ESS-EEENortherly- N, North-Easterly- N.E, Easterly- E, South-Easterly- S. Southerly- S. South-Westerly- S.W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(422.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15thMaximum Tem. (°C):13-17°C Maximum RH (%):73-85%There are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C. Maximum relative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.Weekly cumulative rainfall: 12.0 mmWeekly cumulative rainfall: 75.0 mmNDVI for MizoramWeeklewModerately wet mildly dry/mildly wet onditions	Max RH (%)	98	99	99	92	88
*Wind Direction       S-E       S       S-E       E       E         Northerly- N, North-Easterly- N.E, Easterly- E, South-Easterly- S.South-Westerly- S. South-Westerly- S.W, Westerly-W, North-westerly- N.W.       STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)         Aizawl- 384.87mm       Champhai- 105.48mm       Salha- 307.40 mm       Kolasib- 236.00mm         (430.2mm)       (359.89mm)       (507.7mm)       (428.1mm)         Lawngtlai-291.20mm       Lunglei-326.00mm       Mamit-204.87mm       Serchhip-411.72mm         (453.1mm)       (465.14mm)       (442.80mm)       (259.62mm)         Weather summary of the past three days       Weather forecast valid from 11th March, 2017 To 15th         Maximum Tem. (°C):13-17°C       Maximum RH (%):73-85%       There are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C.         Maximum RH (%):45-58%       Wind Direction: southeasterly       Maximum relative humidity is expected in the range of 88-99% and minimum may from 19-88%. Wind direction would be southeasterly to southerly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.         Wind Speed: 3 km/hr       Immetheter forecast will from 11 th March, 201 mm       Moderately wet mildly dry/mildly wet onditions         NDVI for Mizoram       Immetheter forecast will from 11 th for fore	Min RH (%)	43	70	88	29	19
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSCON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm)Lawngtlai-291.20mm (453.1mm)Lunglei-326.00mm (455.14mm)Mamit-204.87mm (442.80mm)Serchhip-411.72mm (259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.Weather forecast valid from 11th March, 2017 To 15th March, 2017.Maximum Tem. (°C): 24-26°C Minimum Tem. (°C): 13-17°C Maximum RH (%): 73-85% Wind Direction: southeasterly Cloud cover: Mainly clear Wind speed: 3 km/hrThere are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C. Maximum relative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southerly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 75.0 mm Moderately wet mildly dry/mildly wet conditions	Wind Speed (KmpH)	4	6	4	4	4
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Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm 	Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.March, 2017.Maximum Tem. (°C):24-26°C Minimum RH (%):73-85%There are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C. Maximum relative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramImage for MizoramModerately wet mildly dry/mildly wet conditions	STATUS OF MONSO	ON- June 1-3	30, 2016 (Percent	of deviation fr	om normal in p	arenthesis)
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(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.Maximum Tem. (°C):24-26°C Minimum RH (%):73-85% Minimum RH (%):45-58% Wind Direction: southeasterly Cloud cover: Mainly clear Wind speed: 3 km/hrThere are chances of moderate to heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C. Maximum relative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southerly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.Weekly cumulative rainfall: 75.0 mmNDVI for MizoramMethet Refer Law for the reference Law for the refere	(430.2mm)		(359.89mm)	(507.7r	nm)	(428.1mm)
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Maximum RH (%):73-85% Minimum RH (%):45-58% Wind Direction: southeasterly Cloud cover: Mainly clear Wind speed: 3 km/hrthe next 5 days may range for 25-27°C and 11-14°C. Maximum relative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southerly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramNothEast RegionVerkeur and asterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.	Minimum Tem. (°C):1				•	U
Minimum RH (%):45-58% Wind Direction: southeasterly Cloud cover: Mainly clear Wind speed: 3 km/hrMaximum relative humidity is expected in the range of 88- 99% and minimum may from 19-88%. Wind direction would be southeasterly to southerly to southeasterly and easterly with the wind speed of 4-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramNorth East RegionVerkly cumulative rainfall: 75.0 mmNDVI for MizoramImage: Comparison of the section of th	Maximum RH (%):73-		5			-
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Rainfall: 12.0 mm       clear sky will prevail during the next five days.         Weekly cumulative rainfall: 75.0 mm         NDVI for Mizoram       North East Region       Clear sky will prevail during the next five days.	Wind speed: 3 km/hr			2	2	2
Weekly cumulative rainfall: 75.0 mm         NDVI for Mizoram       North East Region       V2 February 2017       Moderately wet mildly dry/mildly wet conditions						
NDVI for Mizoram	Rainfall: 12.0 mm		clear sky will pre	evail during the	e next live days.	
NDVI for Mizoram						
conditions						
422 background 622-03 63-04 ] Mode 63-04 ] 64-05 ] Good 64-05 ] Good	NDVI for Mizoram		North East Region 02 February		wet mildly dr	y/mildly wet
22-03 ] Mode 03-04 ] 03-04 ] 03-05 ] Good				conditions		
				} Moder		
			0.5-0.6	Good		
			>0.7	J Very G		
Agriculture vigour is moderate over most of the parts in North- Eastern states, whereas few patches in Assam, Manipur and Arunachal Predicts shows good vigour.			Eastern states, whereas few patches in Assam, Manipu			
			A Griden Hadesh shows good vigour.	(		
1   Page			VVV.	13		1 Ρασε



#### ICAR RESEARCH COMPLEX FOR NEH REGION

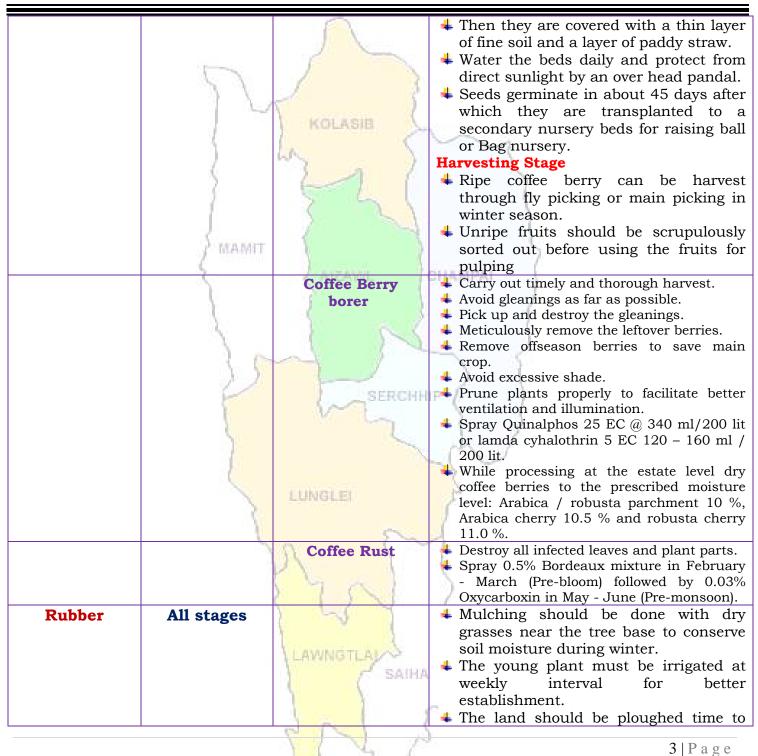






**ICAR RESEARCH COMPLEX FOR NEH REGION** 







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	$\sum$	<ul> <li>time to minimise the weeds and to improve the soil physical condition.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> </ul>
CEREALS AND			
Maize ( <i>Jhum</i> )	Land preparation	ANDLASIS	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> </ul>
			Burn it when it will be dry.
Rabi Maize	vegetative stage MAMIT	AIZAVIL	<ul> <li>Light irrigation on every week may be given for better establishment and smooth growth.</li> <li>Earthing up soil near to plant for better support.</li> </ul>
	35	L.S	<ul> <li>Maize rust disease will prevail due to high relative humidity with low temperature. Apply Mancozeb Kg/ha for effective control.</li> <li>Remove the alternate host Oxali comiculata.</li> </ul>
Potato	Vegetative growth stage	LUNGLEI	<ul> <li>Light irrigation on every alternate day may be given for better establishmen and smooth growth.</li> <li>Earthing up soil for better aeration or root growth.</li> <li>If irrigation is not available keep gras and dry leaves as mulch.</li> </ul>
VEGETABLE CR	OP	- 81 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10-	- 4 ²⁰
Tomato	Harvesting Stage		<ul> <li>Light irrigation on every alternate day may be given for better establishmen and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colous change to pale yellow to red.</li> </ul>
		Bacterial wilt HA	<ul> <li>Prevailing weather may conducive for blight in Tomato.</li> <li>Cloudy and humid weather is mos favorable for the disease.</li> </ul>



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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		$\mathcal{A}$	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	<ul> <li>High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease.</li> <li>Burn all infected leaves.</li> <li>Apply sulfur 5 kg/hactore.</li> <li>Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.</li> </ul>
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	+ Harvest all mature fruits in capsicum.
		Phytopthora blight LUNGLEI	<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	Harvesting stage	AP	<ul> <li>Harvest all mature fruits and keep the seeds dry.</li> <li>Store the seeds for next year sowing.</li> </ul>
Carrot and radish	Harvesting stage	1 W	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Harvest all mature plants.</li> </ul>
Cowpea	Sowing stage	LAWNGTLAUS	✤ Plough the field properly, at least 2-3
		SN 1	5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		0	Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	1 1	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 No.	in nursery bed.	<b>4</b> Before sowing seed provide one or two
		Provide	irrigation.
	l.	irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	)	transplanted	100 A
		okra field.	
Ginger and	Land		<b>4</b> Remove all weed plant from the
turmeric	preparation		selected place.
	1	1	<b>4</b> Keep the plant, leaves and wood for
	) MAMIT		dry.
	ID A DY		🗕 Burn it when it will be dry.
ANIMAL HUSBEN		(A)	As the weather gets colden your size?
Pig	All stages	1	As the weather gets colder, your pigs' energy requirement will increase, as
	200	N	they need more energy to keep warm.
	1 Star 1	1 1 2	Regularly monitor their level of 'fitness'
	1 ( C	~ 1	and increase their feed intake to
	12		maintain.
		SERCHH	Fish oils are excellent for providing
		V- Land	slow-release energy with the added
			advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	P.
	S.	Syndrome	( )
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
			months and yearly interval/6 month
Cattle		1 7 al	interval
Cattle	All age group	LL Y	• Due to prolong dry spell there is a shortess of groop group in the field
		A A	shortage of green grass in the field. For balanced diet and nutrition to
		LANALDICE AND	your cattle, provide urea molasses
		LAWNGTLAV	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	m age group	Disease (FMD)	every 6 month.
		Discuse (FIIID)	
		5 1 V	6   P a g e



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	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	Toung stage	(BQ)	<ul> <li>Primary vaccination 6 month or above</li> </ul>
		(DQ)	<ul> <li>Revaccination annually</li> </ul>
Poultry	Litter	1 N	<ul> <li>Birds require adequate space, sufficient</li> </ul>
routry		1 8	feed to meet their nutritional
	management	Y	requirements and an adequate supply
		KOLASIB	of good-quality water.
	1	1.	4 Good management and sanitation are
	)	~~ )	the best ways to avoid infectious
		2 1 1	disease in poultry.
	1		<ul> <li>Provide ample quantity of clean</li> </ul>
	1		drinking water.
		11	Avoid feeding of mouldy feed. Don't
	A MAMIT	1	make sudden changes in feed
	Preventive	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6)
		CALANCER	days of birth and $R_2B$ vaccine for adult
	measures		birds.
		5	<b>H</b> B complex with antibodies
	1	4 th weeks	<b>Coccidiosis</b> - Amprolium or
	)		coccidiostat
	No M	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	SERCHH	
	Pond	0-2 th weeks	+ Drying and tilling of the pond bottom is
	preparation	U-2 WCCRS	an important step in preparation of
	preparation		pond which enables release of toxic
	J.S		gases from the pond bottom.
		LUNGLEI	<b>4</b> The pH of the pond bottom soil needs
	2	LONGLEI	to be tested and appropriate quantity of
			lime should be applied depending on
		1 E~	the soil pH. Liming not only helps in
		1	correcting the pH but helps in
			y preventing disease as well as acts as a
			y source of calcium for the fishes.
		) Sol Y	4 Complete eradication of aquatic weeds
			helps in avoiding deterioration of pond
		LAWNGTLAL	environment and protecting fishes from
		PARA PARA	unwanted fishes and aquatic insects.
		A C SMITH	
			7~
		1 2 1	
		612	710
		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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LAWNGTLA SAIHA

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Guwahati)



## **District: Kolasib**

Bulletin	<b>No:</b> -	682/20	16/ B	ulletin/	Mizo
		-	1000	Neg I	1

Date of issue: 10th March, 2017

Period: 11 March - 15 March, 2017

	N N	10. (C)	( )		
Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017
Rainfall (mm)	17	50	8	0	0
Max Temp (°C)	25	25	25	26	27
Min Temp (°C)	14	14	14	12	11
Cloud Coverage	Mainly clear	Mainly clear	Partially clear	Clear sky	Clear sky
Max RH (%)	98	99	99	92	88
Min RH (%)	43	70	88	29	19
Wind Speed (KmpH)	4	6	4	4	4
*Wind Direction	S-E	S	S-E	E	E
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO	OON- June 1-3	30, 2016 (Percent	of deviation fr	om normal in p	arenthesis)
<b>Aizawl-</b> 384.87mm	Champha	i- 105.48mm	Saiha- 307.40 n	nm Kolasib-	236.00mm
(430.2mm)		(359.89mm)	(507.7n	nm)	(428.1mm)
Lawngtlai-291.20mm	Lunglei	-326.00mm	Mamit-204.87n	nm Serchhip	-411.72mm
(453.1mm)		(465.14mm)	(442.80n	nm)	(259.62mm)
Weather summary of	of the past	11 th March-	15 th March,	2017 chhun	ga sik leh
three day	s		a dinhmun t		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):73- Minimum RH (%):45- Wind Direction: south Cloud cover: Mainly of Wind speed: 3 km/hr Rainfall: 12.0 mm	3-17°C 85% 58% heasterly clear	Tun ni 3 chhur tura beisei a ni. vawh lai ber in berin 88-99% le niin. Thli hi dar awi zawngin a tle hian khawthiang <b>Weekl</b>	Khua a lum lai 11-14ºC ni tu h a hniam lai kar khatah 4-6 ch rin a ni. A tl g tak hmuh beis	berin 25-27°C ura beisei a ni berin 19-88% 5 km vela chak angpuiin tun n	a ni ang a. A . RH san lai ni tur a rin in chhaklam i nga chhung
NDVI for Mizoram		North East Region 02 February 04 February	e soll / w } dood } were 6 North-	wet mildly dr	y/mildly wet
		Y Y Y	1200		1   Page



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

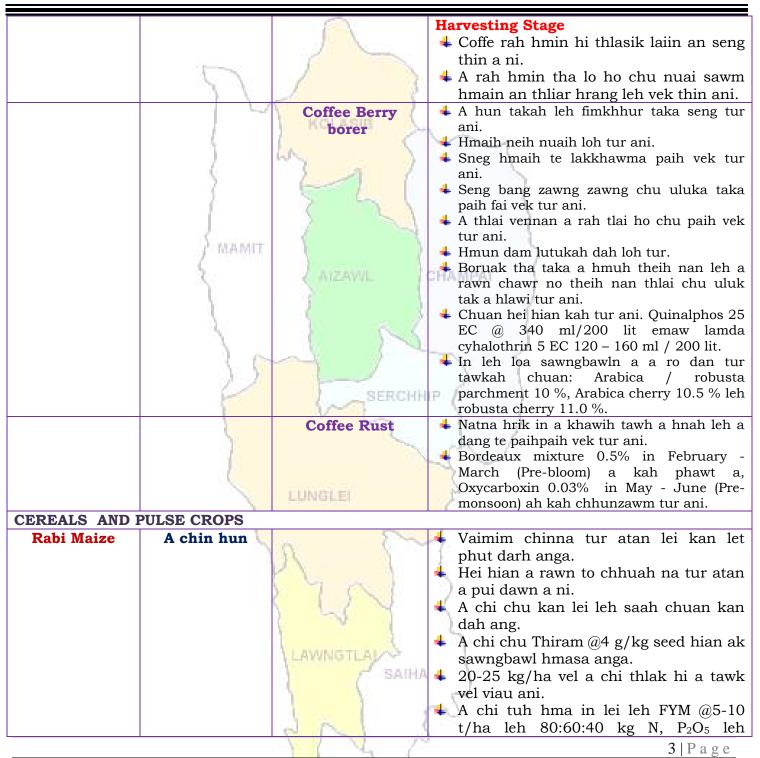


Animal (Fisheries       practices/Pest/ Diseases       husbandry advisories         FRUITS CROPS       A kui atanga a seng hun       A kui atanga a seng hun       + Thlasik laia thlai bul khoro lutuk tu vennan chuan hnim hnah hring dai bu velah dahkhawm tur ani.         BANANA       A kui atanga a seng hun       + OLASIB       + Thlasik laia thlai bul khoro lutuk tu vennan chuan hnim hnah hring dai bu velah dahkhawm tur ani.         BANANA       - A seng hma kar 6 chhung chu tui th taka pek hian a rah tla tur chelh na leh a rah than that nan te leh a ra keh tur lakah t a veng thei ani.         PLUM AND PEACH       - Gummosis, citrus greening and Dieback       + Temperture hniam lutuk leh hnawng var hian natna a a tam duh a . Soil bome natr a trangah te hnawih tur ani.         PLANTATION CROP       - Fruit fly room       + Huan zau takah chuan a par tan tih leh rah tan tirin chawhkar hnih chhung ch leg leback         PLANTATION CROP       - All stages       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         PLANTATION CROP       - All stages       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         • COFFFEE       All stages       - Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         • A thi in December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati uan.       - Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         • Niin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.      <				
/Fisheries       Diseases         FRUITS CROPS         KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun <ul> <li>KOLASIB</li> <li>Thlaisk laia thlai bul khoro luttuk tu vennan chuan hnim hnah hring tlai bu velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawd kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawk a hmu te thlawhlai thin tur ani.</li> </ul> BANANA         FRUIT <ul> <li>A seng hma kar 6 chhung chu tui th taka pek hian a rah tla tur chelh na leh a rah than that nan te leh a ra keh tur lakah t a veng thei ani.</li> <li>A seng hma kar 5 chhung chu tui th taka pek hian a rah tla tur chelh na leh a rah than that nan te leh a ra keh tur lakah t a veng thei ani.</li> <li>Fuit fly noophilase that tur ani.</li> <li>Hun azu takah chuan a par tan tirh leh rah tan tirin chawlikar hnih chhung ch heng te hian enkawl tur ani.</li> </ul> PLANTATION CROP           COFFEE         All stages           All stages           MANGTLL SAMM           MURGTLL SAMM           MURGTLL SAMM           MURGTLL SAMM           MURGTLL SAMM           MI tur ani, a chu uha ha tak thin a, chu ch bag ah an sawn chhuak leh thin ani.	<u> </u>	Stage	Cultural	Agricultural / Horticultural/ animal
FRUITS CROPS         KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun <ul> <li>COLACIB</li> <li< th=""><th>Animal</th><th></th><th>practices/ Pest/</th><th>husbandry advisories</th></li<></ul>	Animal		practices/ Pest/	husbandry advisories
KHASI MANDARIN AND ACID LIME       A kui atanga a seng hun       KOLASIB       + Thlasik laia thlai bul khoro lutuk tu vennan chuan hnim hnah hring tlai bu vennan chuan han tur an tu tu pek thin tur ani.         FUUM AND PEACH       Gummosis, citrus greening and Dieback       + Temperture hniam lutuk leh hnawng van han natna a tam duh a. Soi bome natr laka vennan Bordeaux past hi thing zar le a trangali te hnawih tur ani.         Fruit fly coret       + Itan zau takak chuan a par tan tirh leh rah tan tirin chawlhkar hnih chuan gar a trangali te hnawih tur ani.         PLANTATION CROP       Aill stages       Korretta Manuta sam ochua en kasul tur ani.         Minery stage       Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         PLANTATION CROP       Aill stages       Korretta Saim         COFFEE       Aill stages       Kirsery stage         Nimery stage       Thia chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         A chi hi December - January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tan inin a chhun loh nan zar hliah tu ani.         Ni tan ui na chi a sat lutuka loh nan nin a chhun loh nan zar hliah tu ani.	/Fisheries		Diseases	
MANDARIN AND ACID LIME       a seng hun       KOLAGIB       vennan chuan hnim hnah hring tlai bu velah dahkhawn tur ani.         BANANA       Hamit       KOLAGIB       vennan chuan hnim hnah hring tlai bu velah dahkhawn tur ani.         BANANA       Hamit       Lime       Hamit         BANANA       MAMIT       Leia tha mamawh tawk a hmu kar tin a tui pek thin tur ani.         STAR FRUIT       MAMIT       Leia tha mamawh tawk a hmu kar tin a tui pek thin tur ani.         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       A seng hma a rah tla tur chelh na leh a rah than that nan te leh a ra keh tur lakah t a veng thei ani.         PLANTATION CROP       Fruit fly cond COFFEE       All stages       Fruit fly cond be g/l.         Minsery stage       Minsery stage       This chi thiak hma in Azospirillum leh phosphobacterium a enkaul tur ani.         PLANTATION CROP       All stages       Minsery stage       This chi thiak hma in Azospirillum leh phosphobacterium a enkaul tur ani.         Cofffee       All stages       Minsery stage       This chi thiak hma in Azospirillum leh phosphobacterium a enkaul tur ani.         Min tur pk tur ani a, a sat lutuka lo nan nin a chun loh nan zar hliah tu ani.       Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.	FRUITS CROPS		•	
MANDARIN AND ACID LIME       a seng hun       FOLAGIB       vennan chuan him hnah hring flai bi velah dahkhawm tur ani.         BANANA       Hammin       FolaGIB       vennan chuan him hnah hring flai bi velah dahkhawm tur ani.         BANANA       Hammin       FolaGIB       vennan chuan him hnah hring flai bi velah dahkhawm tur ani.         STAR FRUIT       MAMMIN       FolaGIB       Vennan chuan him hnah hring flai bi velah dahkhawm tur ani.         PLUM AND PEACH       MAMIN       FolaGIB       Vennan chuan him hnah hring flai bi velah dahkhawm tur ani.         PLUM AND PEACH       Gummosis, citrus caker, citrus greening and Dieback       A seng hma kar 6 chung chu tui th taka pek hian a rah tla tur cheln na leh a rah than that nan te leh a ra keh tur lakah t a veng thei ani.         PLANTATION CROP       Fruit fly recet       Huan zau takah chuan a par tan tirh leh rah en kawal tur ani.         COFFEE       All stages       Fruit fly recet       Huan zau takah thma in Azospirillum leh Phosphobacterium a enkaul tur ani.         A chi hi December – January ah hmu zawl/rualren 1.5 – 2.5 cm a in hlati tar mumal tak siam in chin tur ani.       Nitrsery stage         Holag a chi chu lei tem te a chhilh buhpawla khuh tur ani.       Nith tur pek tur ani a, a sat lutuka lo nan nin a chhun loh nan zar hliah tu ani.	KHASI	A kui atanga		4 Thlasik laia thlai bul khoro lutuk tur
AND ACID LIME BANANA STAR FRUIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMIT MAMI	MANDARIN	the second se	KOLACID (	vennan chuan hnim hnah hring tlai bul
LIME         BANANA         BANANA         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly renti fly ren	AND ACID		1 HOLSTON	velah dahkhawm tur ani.
BANANA         STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly rent COFFEE         All stages         PLANTATION CROP         COFFEE         All stages         Nursery stage         That in a chip blocker in a chick thin		1	LA N	4 Thlai naupang deuah chuan chawlh
STAR FRUIT         PLUM AND PEACH         Gummosis, citrus canker, citrus greening and Dieback         Fruit fly refut         Fruit fly refut         Fruit fly refut         All stages         Nursery stage         All stages         Nursery stage         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Nitin tui pek tur ani a, a sat lutuka lo nan nii a chhun loh nan zar hliah ti anii.         Nitin tui pek tur ani a, a sat lutuka lo nan nii a chhun loh nan zar hliah ti anii.         Nitin tui pek tur ani a, a sat lutuka lo nan nii a chhun loh nan zar hliah tu anii.         Nitin tui pek tur ani a, a sat lutuka lo nan nii a chhun loh nan zar hliah tu anii.		(	3 1 1	
STAR FRUIT       Imamit       A seng hma kar 6 chlung chu tui th taka pek hian a rah tla tur chelh na leh a rah than that nan te leh a ra keh tur lakah t a veng thei ani.         PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Imamit filter canker, citrus greening and Dieback         Fruit fly remit fly remit       Fruit fly remit fly remit hian natha a tam duh a . Soil bom natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         PLANTATION CROP         COFFEE       All stages         All stages         Nursery stage         Thia chi taka sim in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmu zawl/ruarem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         A chi hi December – January ah hmu zawl/ruarem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Mint tu pek tur ani a, a sat lutuka lo nan nin a chhun loh nan zar hliah tu ani.         Nitin tui pek tur ani a, a sat lutuka lon nan nin a chhun loh nan zar hliah tu ani.         Nitin tui pek tur ani a, a sat lutuka lon nan nin a chhun loh nan zar hliah tu ani.         Nitin tui pek tur ani a, a sat lutuka lon nan ini a chhun loh nan zar hliah tu ani.         Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.	BANANA	1		
STAR FRUIT       Imamit       Imamit <th></th> <th>1</th> <th>2 5</th> <th></th>		1	2 5	
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng var hian natna a tam duh a. Soil bome natri laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         Fruit fly RCHI       Huan zau takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung ch heng te hian enkawl tur ani. carbaryl 00 percent emaw malathion 0.15 percent suspension containing sugar or jeggery i 10 g/l.         PLANTATION CROP       Ail stages         Wirsery stage       Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         All stages       Nirsery stage         Thlai chi thlak hma in chin ur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tar mumal tak siam in chin tur ani.         Chin in tur ani.         Hin tur up lek tur ani. a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Nii 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.				
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       Temperture hniam lutuk leh hnawng var hian natna a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangalt te hnawih tur ani.         Fruit fly cont       Fruit fly cont         PLANTATION CROP       All stages         COFFEE       All stages         Musery stage COFFEE       All stages         Musery stage Coffee       Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         All stages       Musery stage Coffee         Musery stage Coffee       Thai chi thlak hma in Azospirillum leh Phosphobacterium a enkaul tur ani.         Musery stage Coffee       All stages         Musery stage Coffee       Thai chi thiak hma in chuu bi them ta chill bulpawla khuh tur ani.         Musery stage Coffee       Musery stage         Musery stage Coffee       Thai chi thiak hma in chuu bi them ta chill bulpawla khuh tur ani.         Musery stage Coffee       Thai chi thiak hma in chuu bi them ta chill bulpawla khuh tur ani.	STAR FRUIT	S MANATT		
PLUM AND PEACH       Gummosis, citrus canker, citrus greening and Dieback       I Temperture hniam lutuk leh hnawng var hian natna a a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         Fruit fly       I Huan zau takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung ch heng te hian enkawl tur ani: carbaryl 0 percent emaw malathion 0.15 percer suspension containing sugar or jeggery 1 0 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         WINSTLAN       Nursery stage         Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Witto tu pek tur ani. a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Niith tu pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Niith tu pek tur ani a, a sat lutuka lo nan niin a sawn chhuak leh thin ani.		2	S	
PEACH       Gummosis, citrus canker, citrus greening and Dieback       Image: Temperture hniam lutuk leh hnawng var hian natna a a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         Fruit fly cont       Image: Temperture hniam lutuk leh hnawng var hian natna a a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         PLANTATION CROP       Image: Temperture hniam lutuk leh hnawng var hian natna a a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         PLANTATION CROP       Image: Temperture hniam lutuk leh hnawng var hian natna a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         PLANTATION CROP       Image: Temperture hniam in Azospirillum leh Phosphobacterium a enkawl tur ani.         PLANTATION CROP       Image: Temperture hniam in Azospirillum leh Phosphobacterium a enkawl tur ani.         Image: Temperture hniam in Azospirillum leh Phosphobacterium a enkawl tur ani.       Image: Temperture hniam in Azospirillum leh Phosphobacterium a enkawl tur ani.         Image: Temperture hniam in a chhun loh nan zar hliah tu ani.       Image: Temperture hniam in a chhun loh nan zar hliah tu ani.		20	< AIZAWIL I	
Gummosis, citrus canker, citrus greening and Dieback <ul> <li>Temperture hniam lutuk leh hnawng var hian natna a a tam duh a . Soil bome natr laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.</li> <li>Huan zau takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung ch heng te hian enkawl tur ani: carbaryl 0 percent emaw malathion 0.15 percer suspension containing sugar or jeggery 10 g/l.</li> </ul> PLANTATION CROP           COFFEE         All stages           Image: Lawnot Law			24	keh tur lakah t a veng thei ani.
Canker, citrus       hian natna a a tam duh a . Soil bome natrilaka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung cheng te hian enkawl tur ani: carbaryl 0 percent emaw malathion 0.15 percens suspension containing sugar or jeggery a 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Munsery stage       Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.	PEACH		0	d Townsetture being butult lab become uses
greening and Dieback       laka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         Fruit fly       Huan zau takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung ch heng te hian enkawl tur ani: carbaryl 0 percent emaw malathion 0.15 percer suspension containing sugar or jeggery 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         I alka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         PLANTATION CROP       Nursery stage         COFFEE       All stages         I alka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         PLANTATION CROP       Nursery stage         COFFEE       All stages         I alka vennan Bordeaux past hi thing zar le a trangah te hnawih tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.         I All wingtta         A Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.		No.		
Dieback       a trangah te hnawih tur ani.         Fruit fly       + Huan zau takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung ch heng te hian enkawl tur ani: carbaryl 0 percent emaw malathion 0.15 percens uspension containing sugar or jeggery i 10 g/l.         PLANTATION CROP       All stages         COFFEE       All stages         Image: the problem is				
Fruit fly       Hua zu takah chuan a par tan tirh leh rah tan tirin chawlhkar hnih chhung ch heng te hian enkawl tur ani: carbaryl 0 percent emaw malathion 0.15 percers suspension containing sugar or jeggery a 10 g/l.         PLANTATION CROP       Nursery stage         COFFEE       All stages         Variable       Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Nitin tui pak tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.		1		
PLANTATION CROP         COFFEE       All stages         Nursery stage         + Thlai chi thlak hma in Azospirillum leh         Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmu         zawl/rualrem 1.5 - 2.5 cm a in hlati         tlar mumal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka lo         nin nin a chhun loh nan zar hliah tu         ani.         + Ni 45 hnu velah a tiak thin a,chu ch         bag ah an sawn chhuak leh thin ani.		12		Huan zau takah chuan a par tan tirh leh a
PLANTATION CROP         COFFEE       All stages         All stages         Vursery stage         Thlai chi thlak hma in Azospirillum leh         Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmu         zawl/rualrem 1.5 - 2.5 cm a in hlati         thar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh         buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka lo         nan niin a chhun loh nan zar hliah tu         Ni 45 hnu velah a tiak thin a,chu ch         bag ah an sawn chhuak leh thin ani.			CALCERCENT CONTRACTOR	
PLANTATION CROP         COFFEE       All stages         All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh         Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmu         zawl/rualrem 1.5 - 2.5 cm a in hlati         tlar mumal tak siam in chin tur ani.         + Nitin tui pek tur ani a, a sat lutuka lo         nan niin a chhun loh nan zar hliah tu         ani.         + Ni 45 hnu velah a tiak thin a,chu ch         bag ah an sawn chhuak leh thin ani.			Mo Long	heng te hian enkawl tur ani: carbaryl 0.2
PLANTATION CROP         COFFEE       All stages         All stages       Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.		1	Sec. 1	percent emaw malathion 0.15 percent
PLANTATION CROP         COFFEE       All stages         All stages       Thlai chi thlak hma in Azospirillum leh         Phosphobacterium a enkawl tur ani.       A chi hi December – January ah hmu         Zawl/rualrem 1.5 - 2.5 cm a in hlati       tlar mumal tak siam in chin tur ani.         Chuan a chi chu lei tlem te a chhilh       buhpawla khuh tur ani.         Nitin tui pek tur ani a, a sat lutuka lo       nan niin a chhun loh nan zar hliah tu         Nitin tui pek tur ani a, a sat lutuka lo       nan niin a chhun loh nan zar hliah tu				suspension containing sugar or jeggery at
COFFEE       All stages       Nursery stage         + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.       + Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.         + A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.         + Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.         + Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.         + Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.				10 g/l.
<ul> <li>Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>			CONGREE	
<ul> <li>Phosphobacterium a enkawl tur ani.</li> <li>A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>	COFFEE	All stages	-centre de anni i	
<ul> <li>A chi hi December – January ah hmu zawl/rualrem 1.5 - 2.5 cm a in hlati tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>		1	0	
<ul> <li>zawl/rualrem 1.5 - 2.5 cm a in hlatitlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>		1	A (~~	
<ul> <li>tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>			1	
<ul> <li>Chuan a chi chu lei tlem te a chhilh buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>			4 2 1	
<ul> <li>buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>				
<ul> <li>AWNGTLA SAIHA</li> <li>Nitin tui pek tur ani a, a sat lutuka lo nan niin a chhun loh nan zar hliah tu ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.</li> </ul>				
nan niin a chhun loh nan zar hliah tu ani. Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.				
SAIHA Ani. Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.			LAWNGTLAU	-
Ni 45 hnu velah a tiak thin a,chu ch bag ah an sawn chhuak leh thin ani.				
bag ah an sawn chhuak leh thin ani.			- C	
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## **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
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</li> </ul>
lentil toria, breen gram and black gram cultivation in rice fellow	AMAMIT	Leio tillage	<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 VEGETABLE CRO	Sowing stage	AIZAVIL	<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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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	5	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		<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>
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**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>
	{ 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	<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>
		PN 1	<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 receired from IMD, Guwahati)



Preventive measures       0-3 rd week       4 Ranikhet Disease- an pian atanga 1-6 ah F1 vaccine pek tur ani a, chur a puitlingh chuan R2B vaccine pek tur ani.         B complex with antibodies       4 th weeks       4 Coccidiosis- Amprolium coccidiostat         H Coccidiostat       4 th weeks       4 Calcium tonic fortified with B12         FISHERY       0-2 weeks       4 Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chuah thin         Vertex       5 Coccidiosis - Amprolium coccidiostat         FISHERY       0-2 weeks       4 Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chhuah thin         Vertex       5 Coccidiosi at thin       5 Coccidiosi at thin			A	4	i ,
ani.       ani.         B complex with antibodies         4th weeks       Coccidiosis-         4-5th Weeks       Calcium tonic fortified with B12         FISHERY       O-2 weeks         Pond       Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chhuah thin         SERCH       Dil mawng lei thur leh thurloh entir a thurdan a zirin chinai phul thin t ani. Chu chuan tui thur a siam tha m nilovin natna lak atangin sangha te veng theiin, calcium an hmuhnan a the server of the serv			0-3 rd week		ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tur ani.
FISHERY       4-5th Weeks       Calcium tonic fortified with B12         Pond preparation (Dil buatsaih)       0-2 weeks       Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chhuah thin         SERCH       Dil mawng lei thur leh thurloh entir a thurdan a zirin chinai phul thin t ani. Chu chuan tui thur a siam tha m nilovin natna lak atangin sangha te veng theiin, calcium an hmuhnan a th			4 th weeks	4	B complex with antibodiesCoccidiosis-Amproliumor
FISHERY       Pond preparation (Dil buatsaih)       0-2 weeks       Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chhuah thin         Dil buatsaih       Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chhuah thin         Dil buatsaih       Dil buatsaihnan a tihtur pawimaw tak chu dil mawng phoro a lehph deuh ani a, chu chuan dil mawng lei boruak chhia chambangte a chhuah thin         Dil mawng lei thur leh thurloh entir a thurdan a zirin chinai phul thin t ani. Chu chuan tui thur a siam tha m nilovin natna lak atangin sangha te veng theiin, calcium an hmuhnan a th		MAMIT	A Eth Woolro		
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		P	SERCHH	, t	a thurdan a zirin chinai phul thin tur ani. Chu chuan tui thur a siam tha mai nilovin natna lak atangin sangha te a veng theiin, calcium an hmuhnan a thil
thenfai vek hian dil boruak chhetur la atangin a veng a, sangha tan		2		1	Dil a hnimhnah leh bawlhhlawh awmte thenfai vek hian dil boruak chhetur lak atangin a veng a, sangha tan a hlauhawm leh tibuaithei rannung lak atangin a veng thei bawk
LAWNGTLAL				5	



## **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: Lawntlai**

Period: 11 March - 15 March, 2017

Bulletin	<b>No:</b> -	682/	/2016/	Bulletin	/English

342

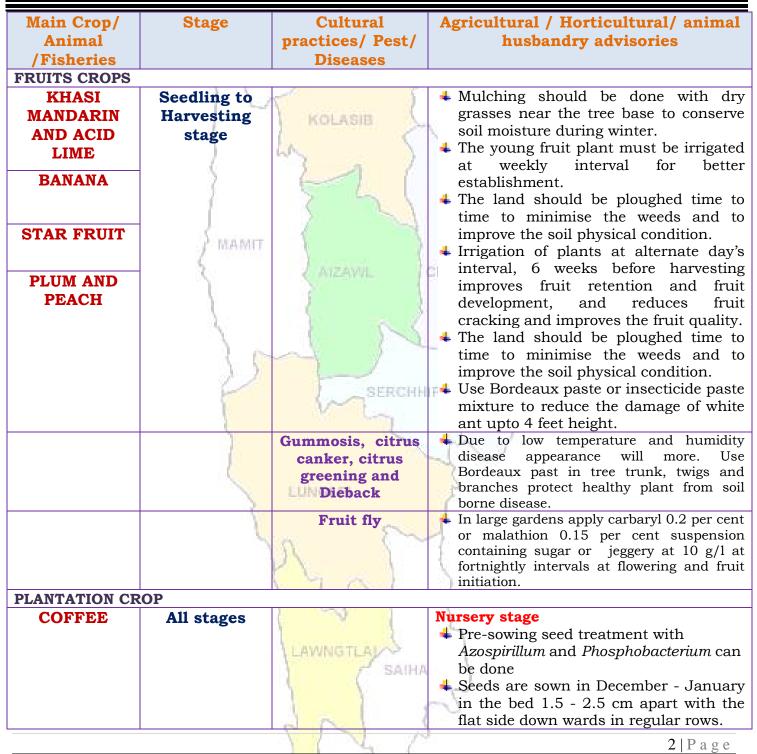
Date of issue: 10th March, 2017

Parameters         11.03.2017         12.03.2017         13.03.2017         14.03.2017         15.03.2017           Rainfall (mm)         10         35         7         0         0           Max Temp (°C)         25         25         27         28           Min Temp (°C)         14         14         14         12         12           Cloud Coverage         Mainly clear         Partially clear         Partially clear         Clear sky         Clear sky           Max RH (%)         37         68         82         32         16           Wind Speed (KmpH)         5         5         5         6         6           Wind Direction         E         S-E         E         N-E         N-E           StATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)         Aizawi- 384.87mm         Champhai- 105.48mm         Saiha- 307.40 mm         Kolasib- 236.00mm           Aizawal- 384.87mm         Champhai- 105.48mm         Saiha- 307.40 mm         Kolasib- 236.00mm         (428.1mm)           Lawrethti -291.20m         Lunglei-326.00mm         Manit -204.87mm         Serchhip-411.72mm           Maximum Tem. (°C):12-15°C         March, 2017.         There are chances of moderate to light and heavy rainfall during the next 3 days. Th		100 M						
Max Temp (°C)2525252728Min Temp (°C)141414141212Cloud CoverageMainly clearPartially clearClear skyClear skyClear skyMax RH (%)8797956848Min RH (%)3768823216Wind Speed (KmpH)55566Wind Speed (KmpH)55566Wind Speed (KmpH)55566Southerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S., South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.Maximum Tem. (°C):12-15°CMinimum RH (%):85-98% Wind speed: 4-5 km/hrThere are chances of moderate to light and heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 12-14°C. Maximum relative humidity is expected in the range of 48-97% and minimum may from 16-82%.Wind speed: 4-5 km/hrRainfall: 08.2 mmWeekly cumulative rainfall: 52.0 mmNDV1 for MizoramWeekly cumulative rainfall: 52.0 mmModerately wet mildly dry/mildly wet conditions	Parameters	11.03.2017	12.03.2017	13.03.2017	14.03.2017	15.03.2017		
Min Temp (°C)141414141212Cloud CoverageMainly clearPartially clearPartially clearPartially clearClear skyClear skyMax RH (%)8797956848Min RH (%)3768823216Wind Speed (KmpH)55566Wind DirectionES-EEN-EN-ENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolaib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.There are chances of moderate to light and heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-28%C and 12-14%C. Maximum relative humidity is expected in the range of 48-97% and minimum may from 16-82%.Wind birection:Easterly Cloud cover: Clear sky Wind speed: 4-5 km/hr Rainfall: 08.2 mmWeekly cumulative rainfall: 52.0 mmNDVI for MizoramWeekley cumulative rainfall: 52.0 mmModerately wet mildly dry/mildly wet onitions	Rainfall (mm)	-		-	<u> </u>	Ŭ		
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Min RH (%)3768823216Wind Speed (KmpH)55566*Wind DirectionES-EEN-EN-ENortherly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (422.1mm)Lawngtlai-291.20mm (435.1mm)Lunglei-326.00mm (455.14mm)(507.7mm)(422.1mm) (259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.Maximum Tem. (°C):23-25°C Minimum Tem. (°C):23-25°C Minimum RH (%):84-59% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 4-5 km/hrThere are chances of moderate to light and heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-28%C and 12-14°C. Maximum relative humidity is expected in the range of 48-97% and minimum may from 16-82%. Wind direction would be easterly southeasterly to easterly and northeasterly with the wind speed of 5-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 52.0 mm Moderately wet mildly dry/mildly wet conditions	Cloud Coverage	Mainly clear	Partially clear	Partially clear	Clear sky	Clear sky		
Wind Speed (KmpH)55566*Wind DirectionES-EEN-EN-ENortherly- N, North-Easterly- N-E, Easterly- E, South-Westerly- N, Westerly- S, South-Westerly- N, Westerly- N, Westerly N, Westerly N, Westerly- N, Westerly N, Westerly N, Westerly N, Westerly- N, Westerly N, W	Max RH (%)	87	97	95	68	48		
*Wind Direction       E       S-E       E       N-E       N-E         Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S.E, Southerly- S, South-Westerly- S.W, Westerly- W, North-westerly- N-W.       STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm       Champhai- 105.48mm       Saiha- 307.40 mm       Kolasib- 236.00mm         Aizawl- 384.87mm       Champhai- 105.48mm       Saiha- 307.40 mm       Kolasib- 236.00mm         (430.2mm)       (359.89mm)       (507.7mm)       (428.1mm)         Lawngtlai-291.20mm       Lunglei-326.00mm       Mamit-204.87mm       Serchhip-411.72mm         (453.1mm)       (465.14mm)       (442.80mm)       (259.62mm)         Weather forecast valid from 11 th March, 2017 To 15 th March, 2017.       To 15 th Maximum Tem. (°C):12-15°C       Maximum RH (%):34-59%       There are chances of moderate to light and heavy rainfall       during the next 3 days. The maximum and minimum         Maximum RH (%):34-59%       Wind Direction: Easterly       Change of 48-97% and minimum may from 16-82%.       Wind direction would be easterly southeasterly to easterly and northeasterly with the wind speed of 5-6 km per hour.         Rainfall: 08.2 mm       Weekly cumulative rainfall: 52.0 mm       Moderately wet mildly dry/mildly wet conditions         NDVI for Mizoram       Image of the set the test of the neasterement of the test of the test of the test	Min RH (%)	37	68	82	32	16		
Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis) Aizawl- 384.87mm (430.2mm)Champhai-105.48mm (507.7mm)Southerly- S-E, South-Westerly- N-W.Lawngtlai-291.20mm (430.2mm)Champhai-105.48mm 	Wind Speed (KmpH)		-		6	6		
Southerly- S. South-Westerly- S. W. Westerly-W, North-westerly- N-W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(430.2mm)(359.89mm)(507.7mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(465.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.Maximum Tem. (°C):12-15°CThere are chances of moderate to light and heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 12-14°C. Maximum relative humidity is expected in the range of 48-97% and minimum may from 16-82%.Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 4-5 km/hrWind direction would be easterly southeasterly to easterly and northeasterly with the wind speed of 5-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramVeekly cumulative rainfall: 52.0 mm Moderately wet mildly dry/mildly wet conditions	*Wind Direction	E	S-E	E	N-E	N-E		
STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawl- 384.87mm (430.2mm)Champhai- 105.48mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm)Lawngtlai-291.20mm (453.1mm)Lunglei-326.00mm (453.1mm)Mamit-204.87mm (425.14mm)Serchhip-411.72mm (259.62mm)Weather summary of the past three daysWeather forecast valid from 11th March, 2017 To 15th March, 2017.Serchhip-411.72mm (259.62mm)Maximum Tem. (°C):23-25°C Minimum Tem. (°C):212-15°C Minimum RH (%):34-59% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 4-5 km/hrThere are chances of moderate to light and heavy rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 25-28°C and 12-14°C. Maximum relative humidity is expected in the range of 48-97% and minimum may from 16-82%. Wind direction would be easterly southeasterly to easterly and northeasterly with the wind speed of 5-6 km per hour. Partially clear sky will prevail during the next five days.NDVI for MizoramWeekly cumulative rainfall: 52.0 mm Moderately wet mildly dry/mildly wet onditions	Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
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Minimum RH (%):34-59% Wind Direction: Easterly Cloud cover: Clear sky Wind speed: 4-5 km/hrInterest of the set of the								
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wind speed: 4-5 km/nr         Rainfall: 08.2 mm         NDVI for Mizoram         North East Region         Partially clear sky will prevail during the next five days.         Weekly cumulative rainfall: 52.0 mm         Noderately wet mildly dry/mildly wet conditions	Cloud cover: Clear sk	197	Wind direction would be easterly southeasterly to easterly					
Rainfall: 08.2 mm       Partially clear sky will prevail during the next five days.         Weekly cumulative rainfall: 52.0 mm         NDVI for Mizoram       North Est Region         Vertication       Vertication         And the state of the state region       Vertication         And the state of the state region       Vertication         Vertication       Vertication         NDVI for Mizoram       Vertication         Vertication       Vertication	Wind speed: 4-5 km/							
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NDVI for Mizoram	Rainfall: 08.2 mm		Partially clear sk	y will prevail d	uring the next i	live days.		
NDVI for Mizoram								
Articulture visco is moderate over most of the parts in North Eastern state, whereas few patches in Asam, Manpur and Anachal/Prefer thore good visco.								
42       baskyround (a 3 - 0 4)         63 - 0 4)       baskyround (a 3 - 0 4)         63 - 0 4)       baskyround (a 3 - 0 4)         63 - 0 4)       baskyround (a 3 - 0 4)         63 - 0 4)       baskyround (a 3 - 0 4)         63 - 0 4)       baskyround (a 3 - 0 4)         63 - 0 4)       baskyround (a 3 - 0 4)         63 - 0 7)       Www c         63 - 0 7)       Www c         63 - 0 7)       Www c         70 - 0 7)	NDVI for Mizoram		North East Region 02 February		wet mildly dr	y/mildly wet		
Agriculture vigour is moderate over most of the parts in North- Eastern states, whereas few patches in Asam, Manpur and Arunachal Pradem shows good vigour.				conditions				
Agriculture vigour is moderate over most of the parts in North- Eastern states, whereas few patches in Assam, Manipur and Arunachal Pradesh shows good vigour.			0.2-0.3	] Moder				
Agriculture vigour is moderate over most of the parts in North- Extern states, whereas few patches in Assam, Manipur and Arunahal Pradesh shows good vigour.			0.5-0.6	Good				
Estern states, whereas few patches in Assam, Manipur and Arunacial Prodesh shows good vigour.			- W - 0.5 - 0.7	yery G				
200			Eastern states, whereas few patches in Assam, Manipu	North- ar and				
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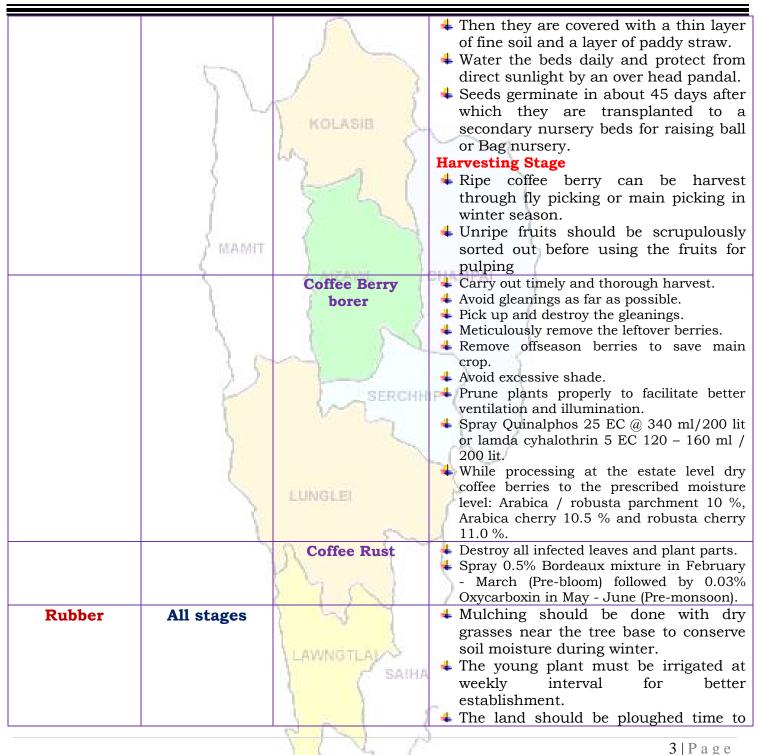






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	5	$\sum$	<ul> <li>time to minimise the weeds and to improve the soil physical condition.</li> <li>Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.</li> </ul>
CEREALS AND		KOLASIB X.	
Maize ( <i>Jhum</i> )	Land preparation	man E	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> </ul>
Rabi Maize	vegetative stage MAMIT	AIZAVÍL	<ul> <li>Light irrigation on every week may be given for better establishment and smooth growth.</li> <li>Earthing up soil near to plant for better support.</li> <li>Maize rust disease will prevail due to high relative humidity with low temperature. Apply Mancozeb Kg/ha for effective control.</li> <li>Remove the alternate host Oxalis comiculata.</li> </ul>
Potato	Vegetative growth stage	LUNGLEI	<ul> <li>Light irrigation on every alternate day may be given for better establishmen and smooth growth.</li> <li>Earthing up soil for better aeration or root growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> </ul>
VEGETABLE CR	_		
Tomato	Harvesting stage	Bacterial wilt	<ul> <li>Light irrigation on every alternate day may be given for better establishmen and smooth growth.</li> <li>If irrigation is not available keep grass and dry leaves as mulch.</li> <li>Harvest all the mature which colous change to pale yellow to red.</li> <li>Prevailing weather may conducive for</li> </ul>
			blight in Tomato. Cloudy and humid weather is mos favorable for the disease.
		VV /	4   P a g e



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		$\mathcal{A}$	To manage the blight in tomato apply Ridomil or Indofil or Mancozeb @ 2 gm per liter of water.
		Powdery mildew KOLASIB	<ul> <li>High temperature during day and low temperature in night with high humidity led to increase the wetness of leaves of tomato which cause powdery mildew disease.</li> <li>Burn all infected leaves.</li> <li>Apply sulfur 5 kg/hectare.</li> <li>Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.</li> </ul>
Onion and capsicum	Vegetative and fruiting stage	AIZAVIL	+ Harvest all mature fruits in capsicum.
		Phytopthora blight LUNGLEI	<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	Harvesting stage	AP	<ul> <li>Harvest all mature fruits and keep the seeds dry.</li> <li>Store the seeds for next year sowing.</li> </ul>
Carrot and radish	Harvesting stage	1 W	<ul> <li>Light irrigation on every alternate day may be given for better establishment and smooth growth.</li> <li>Harvest all mature plants.</li> </ul>
Cowpea	Sowing stage	LAWNGTLAUS	✤ Plough the field properly, at least 2-3
		SN 1	5   P a g e



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-			
			Sow 2-3 seed per whole.
			Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	N N	light irrigation	Sow 2 seed 45 X 45 cm spacing.
	3 1/24	in nursery bed.	<b>4</b> Before sowing seed provide one or two
		Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
	3	transplanted	
	6	okra field.	
Ginger and	Land		<b>4</b> Remove all weed plant from the
turmeric	preparation	1 2 1	selected place.
			<b>4</b> Keep the plant, leaves and wood for
	MAMIT	1	dry.
	EVPERATE.	bro estivato.	븆 Burn it when it will be dry.
ANIMAL HUSBE			
Pig	All stages	1	+ As the weather gets colder, your pigs'
	A	1	energy requirement will increase, as
		1 55	they need more energy to keep warm.
	1	at 1 m	<b>4</b> Regularly monitor their level of 'fitness'
			and increase their feed intake to maintain.
		SERCHH	
		wa.	slow-release energy with the added
	5		advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
	. J.S.	Reproductive	
		Respiratory	2
	N. N.	Syndrome	A
		(PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2
		N. N.	months and yearly interval/6 month
		Charles D	interval
Cattle	All age group	1 1 5 5	• Due to prolong dry spell there is a
			shortage of green grass in the field.
			For balanced diet and nutrition to
		LAWNGTLAN	your cattle, provide urea molasses
		- SAIHA	treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
		PN 1	
		NY V /	<b>6</b>   P a g e



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	Voundators	Plack Orantar	Plack Quarter Vaccine (DOV)
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
		(BQ)	<ul> <li>Primary vaccination 6 month or above</li> <li>Demonstration and states</li> </ul>
<b>D</b>		1	Revaccination annually
Poultry	Litter	1 5	<b>4</b> Birds require adequate space, sufficient
	management	5	feed to meet their nutritional
		KOLASIE	requirements and an adequate supply
	1	1	of good-quality water.
	)	W. N	<b>4</b> Good management and sanitation are
	(	1 1 1	the best ways to avoid infectious
			disease in poultry.
	1	2 2	+ Provide ample quantity of clean
			drinking water.
	S MAMIT		Avoid feeding of mouldy feed. Don't
		0.0 ml 1	make sudden changes in feed
	Preventive	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6)
	measures		days of birth and $R_2B$ vaccine for adult birds.
	l l	1 3	<ul> <li>B complex with antibodies</li> </ul>
		4 th weeks	· · · · · · · · · · · · · · · · · · ·
		4th weeks	
		A Fab TTT 1	coccidiostat
	12	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY		SERCHH	IP (
	Pond	0-2 th weeks	<b>4</b> Drying and tilling of the pond bottom is
	preparation	52	an important step in preparation of
			pond which enables release of toxic
			gases from the pond bottom.
		LUNGLEI	<b>+</b> The pH of the pond bottom soil needs
	5		to be tested and appropriate quantity of
		22	lime should be applied depending on
		N 8.2	the soil pH. Liming not only helps in
			correcting the pH but helps in
		Y AL	preventing disease as well as acts as a source of calcium for the fishes.
			Complete eradication of aquatic weeds
			helps in avoiding deterioration of pond
		LAWNGTLAY	environment and protecting fishes from unwanted fishes and aquatic insects.
		SAIHA	unwanteu nones anu aquatie insects.
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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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