

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: 01 March - 05 March, 2017

Bulletin No: - 679	9/2016/ Bulletin	/English
		1
Parameters	01.03.2017	02.03.2017

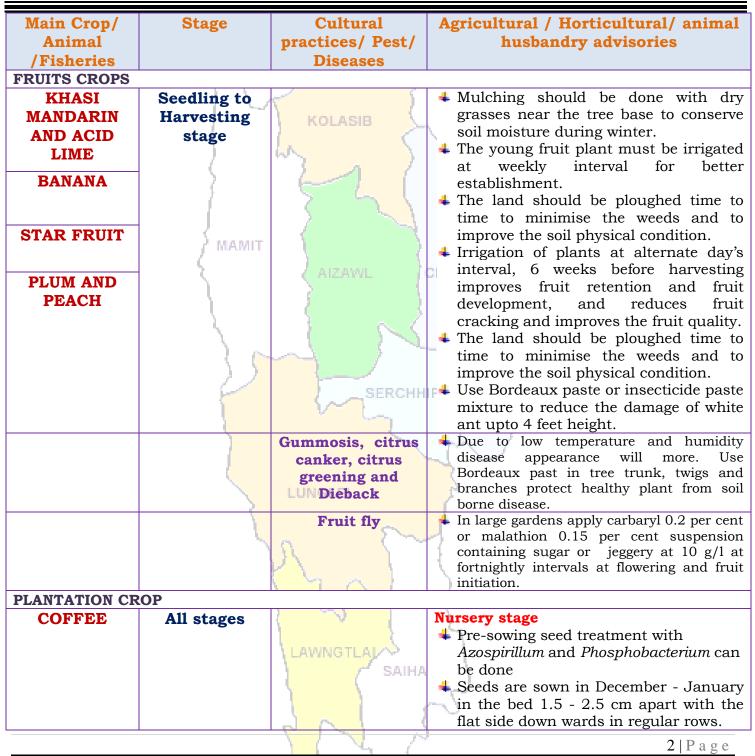
Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	12	12	13	13	14	
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	62	56	61	69	70	
Min RH (%)	13	11	11	17	18	
Wind Speed (KmpH)	4	4	5	5	4	
*Wind Direction	N-E	E	E	E	E	
Northe	rly- N, North-I	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
		Vesterly- <mark>S-W</mark> , We				
STATUS OF MONSO						
Aizawl- 384.87mm	-		<mark>Saiha-</mark> 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 of		Weather foreca			017 To 05 th	
three day	s	March, 2017.				
Maximum Tem. (°C):2		There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days				
Minimum Tem. (°C):1						
Maximum RH (%):57-	93%	may range for 2				
Minimum RH (%):27-4		humidity is expe	cted in the ran	ge of 56-70% a	nd minimum	
Wind Direction: Easte	erly	may from 11-18		0		
Cloud cover: Clear sk	y					
Wind speed: 4 km/h		to easterly with the wind speed of 4-5 km per hour. Clear sky will prevail during the next five days.				
	`	sky wiii prevan u	uning the next	iive days.		
Rainfall: 00.0 mm		Weakh	u oumulativo	rainfall: 00.0 1		
		weeri	y cumululive i	<i>unjun</i> . 00.01		
		North East Region 02 Februar			/ 111	
NDVI for Mizoram		North East Region 02 Februar	5	wet mildly dr	y/mildly wet	
			are soil conditions			
			3 4 } Moi			
		0.4-0.				
		>0.7	l ven			
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Manij Arunachal Pradesh shows good vigour.	n North- our and			
		Arunachai Pradesh shows good vigour.	1			
			19		1 Page	



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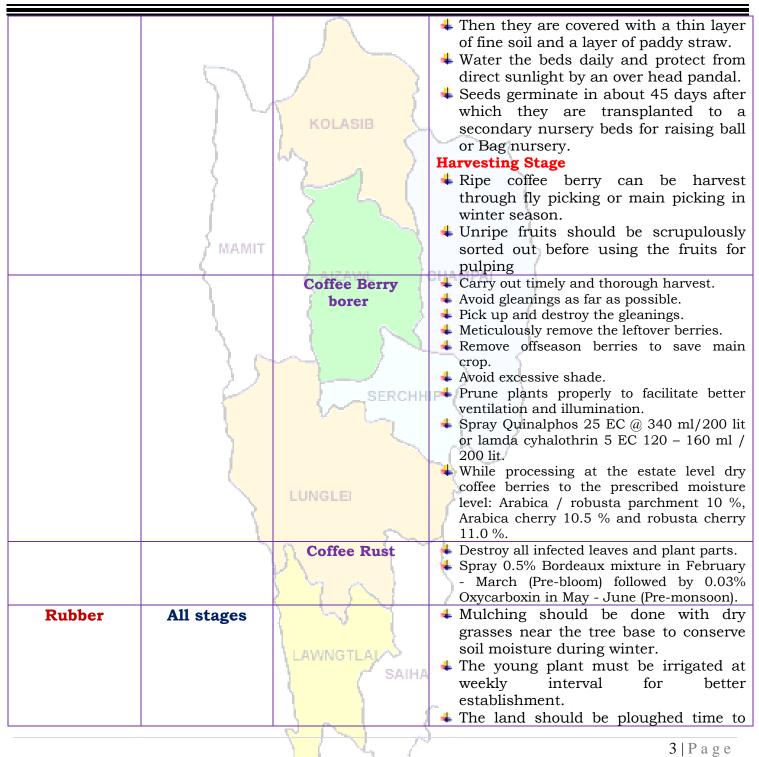






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		\sum	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
CEREALS AND P			
Rabi Maize	vegetative stage MAMIT	AIZAWL	 Light irrigation 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.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	 Light irrigation on every week may be given for better establishment and smooth growth. If flowering and pod formation going to paper approx 2% urga solution for better
		Pea rust	Soybean rust mainly occurred when T _{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. Management:
		LAWNGTLAI SAIHA Mustard sawfly	 Spray the crop with Dithane M-45 at the rate of 2 kg per hectare in 1000 liters of water. Two to three sprays at 10 days interval are sufficient. Due to high temperature during day time and high humidity results
		and cabbage	time and ingit fidinity fesuits
			4 P a g e



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Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	 appearance of mustard sawfly and cabbage butterfly in mustard and toria. Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water. 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.
			I light importion on groups alternate days
Tomato	Harvesting stage	AIZAWL	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	+ Prevailing weather may conducive for
		SERCHH	hlight in Tagets
		Powdery mildew	 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.
Early Cole	Harvesting	L'ENTRINO I L'AVE	Light irrigation on every alternate day
Early Cole crop	Harvesting stage	Saiha	and smooth growth. Mulching must be done after
		V V C	5 P a g e



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			irrigation.
			4 Harvest all the mature and
			immature cobs.
		70 1 1 0	
	> \	Mustard sawfly	4 Due to high temperature during day
		📹 and cabbage 🥤	time and high humidity results
	~	butterfly	appearance of mustard sawfly and
			cabbage butterfly in cole crops.
	1		4 Apply contact insecticide like Cyper25-
		~ ~ /	Cypermethrin 25% EC or Deltamethrin
	\rightarrow		25% EC @ 2ml per litre of water.
Onion and	Vegetative	2 5 6	4 One or two side dressings of nitrogen
capsicum	and fruiting		are applied during a season.
capsicum	and multing		4 These side dressings may be applied
	stage		through the irrigation system.
	(1	Light irrigation on every alternate day
		AIZAWL	may be given for better establishment
			and smooth growth.
	- K		Mulching must be done after invinction
			irrigation.
			Harvest all mature fruits in
			capsicum.
	Server and the server	Phytopthora HH	P4/ Seed treatment with thiram 3g/kg seed or
		blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1		Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water
D	D- 1		at 10-15 DAS are effective.
French bean	Pod	LUNGLEI	+ Provide light irrigation with mulching.
	formation		Before irrigation weeding and thinning
	stage	S	must be done for proper growth of the
	1		crop.
			Earthing up soil for better growth and
			weed free.
			+ Apply 2% urea solution which gives
			good growth and development.
Carrot and	Harvesting		Light irrigation on every alternate day
radish	stage		may be given for better establishment
		SAIHA	and smooth growth.
		(SAIHA	🔸 Harvest all mature plants.
ANIMAL HUSBEN	IDARY	1	F
Pig	All stages		4 As the weather gets colder, your pigs'
)
			6 P a g e

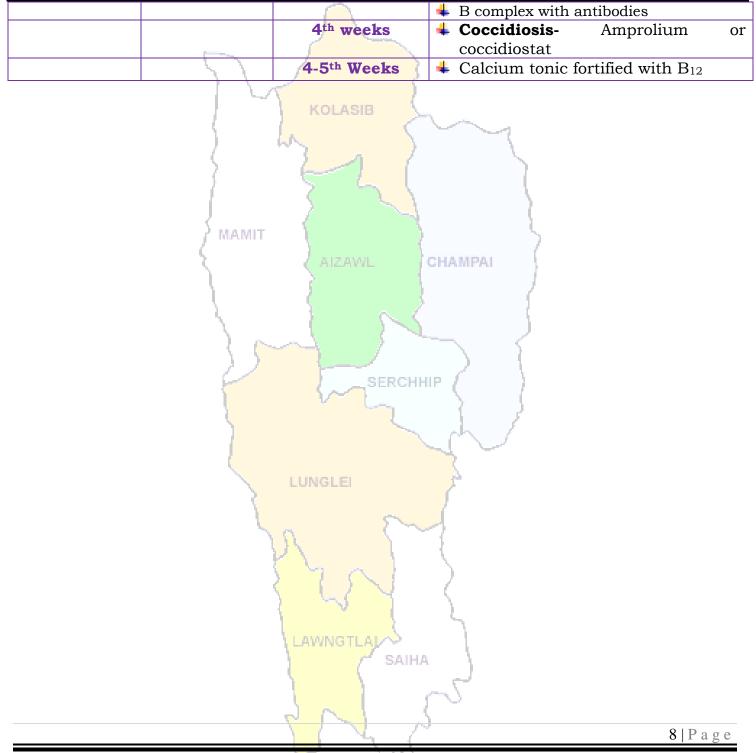


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		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. 1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAMmonths and yearly interval/6 month interval
Cattle	All age group	X	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management		 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. 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 R ₂ B vaccine for adult birds.
		N N A	7 P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of theProgramme CoordinatorKVKName and Designation		KVK Email Id	Phone no/ Mobile no	
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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

Guwahati)



District: Lawngtlai

Period: 01 March - 05 March, 2017

Bulletin	No: -	679	/2016	/ Bulletin	/Mizo
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Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
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Max RH (%)	62	56	61	69	70	
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Wind Speed (KmpH)	4	4	5	5	4	
*Wind Direction	N-E	E	E	E	E	
Northe	rly- N, North-I	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-W	/esterly- <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 💦 🗧	<mark>Saiha-</mark> 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7r	•	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm	<mark>Mamit-204.87</mark> n	· · · · · · · · · · · · · · · · · · ·	-411.72mm	
(453.1mm)		465.14mm)	(442.80r		(259.62mm)	
Weather summary of	of the past	01 st March-	05 th March,	2017 chhung	ga sik leh	
three day	s	sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):57- Minimum RH (%):27-4 Wind Direction: Easter Cloud cover: Clear sk Wind speed: 4 km/h Rainfall: 00.0 mm	2-14°C (93% 41% (erly (y (r	Fun ni 5 chhun tura beisei a ni. vawh lai ber in berin 56-70% le niin. Thli hi dar awi zawngin a tle hian khawthiang Weekl	Khua a lum lai 12-14ºC ni tu h a hniam lai kar khatah 4-5 ch rin a ni. A tl g tak hmuh bei	berin 25-27ºC ura beisei a ni berin 11-18% 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 Fobrar 04	Conditions	wet mildly dr	y/mildly wet	
			10		1 Page	



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID			velah dahkhawm tur ani.
LIME		Le V	4 Thlai naupang deuah chuan chawlh
	(3 1 /	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	() () () () () () () () () ()		theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ meaning		taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL	leh a rah than that nan te leh a rah
-	l l		keh tur lakah t a veng thei ani.
PEACH	ļ		The second secon
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and Dieback	a trangah te hnawih tur ani.
		Fruit flyERCHH	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	5 C		L.
COFFEE	All stages	the GP 1 S GP has been	Nursery stage
		~	+ Thlai chi thlak hma in Azospirillum leh
		a (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
) 5 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur
		/ SAIHA	
			↓ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
			bag an an sawn childar ich thin dill.
			212000
			2 P a g e

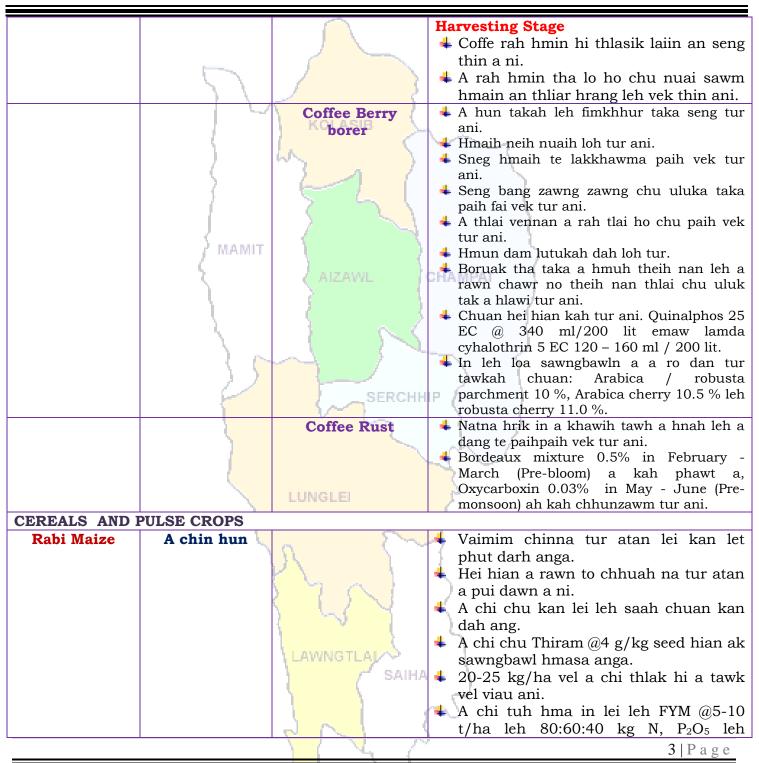


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	2		K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CRO	Sowing stage	AIZAWL	 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
		T T T) 4 P a g e



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ICAR			
	2	KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha
	35	AIZAWL Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAL	 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.
		201	
			5 P a g e



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



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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. **Ranikhet** Disease- an pian atanga ni 0-3 rd week **Preventive** 1-6 ah F1 vaccine pek tur ani a, chuan measures a puitlingh chuan R₂B vaccine pek tur ani. **4** B complex with antibodies 4th weeks **Coccidiosis**-Amprolium or coccidiostat MAMIT 4-5th Weeks 4 Calcium tonic fortified with B₁₂ SERCHHIP LUNGLEI LAWNGTLA SAIHA 7 | Page



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	÷	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	$\left \cdot \right $	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Period: 01 March - 05 March, 2017

Bulletin No: - 679	/2016/ Bulletin	/English
		/
Parameters	01.03.2017	02.03.201

Date of issue: 28th February, 2017

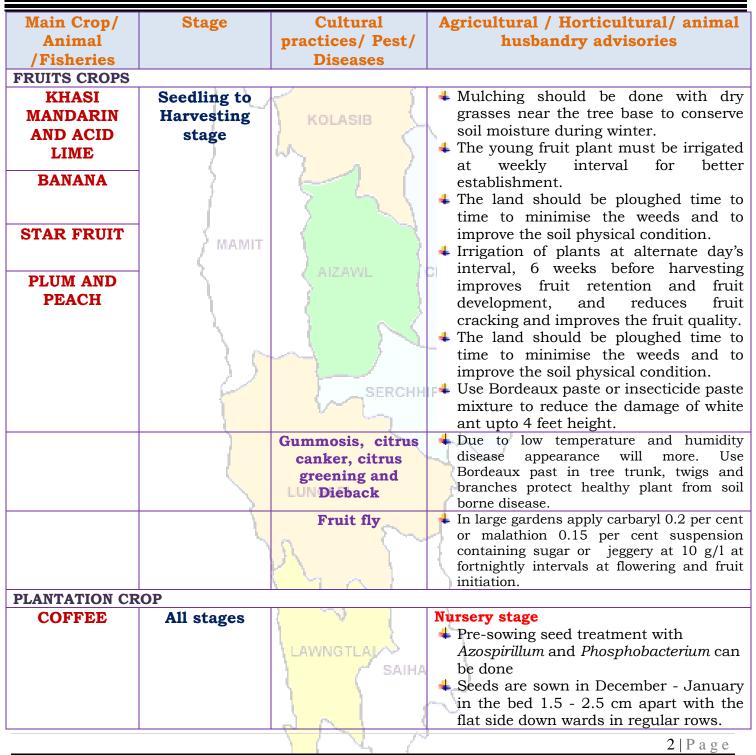
Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	11	12	12	13	13	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	86	84	91	67	73	
Min RH (%)	13	12	12	17	18	
Wind Speed (KmpH)	3	3	4	4	4	
*Wind Direction	Е	E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,	•	
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	Saiha- 307.40 n	nm Kolasib-	236.00mm	
(430.2mm)		(359.89mm)	(507.7r	nm)	(428.1mm)	
Lawngtlai-291.20mm			Mamit-204.87n	-	-411.72mm	
(453.1mm)		(465.14mm)	(442.80r		(259.62mm)	
Weather summary	of the past	Weather forec	ast valid from	01 st March, 20	017 To 05 th	
three day	s		March, 2	2017.		
Maximum Tem. (°C):2	2-24°C	There is no chance of rainfall during the next 5 days. The				
Minimum Tem. (°C):1	0-12ºC	maximum and minimum temperatures for the next 5 days				
Maximum RH (%):54-	78%	may range for 25-27°C and 11-13°C. Maximum relative				
Minimum RH (%):26-	42%	humidity is expected in the range of 67-91% and minimum				
Wind Direction: Sout	heasterly	may from 12-18%. Wind direction would be easterly with				
Cloud cover: Mainly	clear	the wind speed of 3-4 km per hour. Clear sky will prevail				
Wind Speed: 4 km/h		during the next five days.				
		during the next i	ive days.			
Rainfall: 00.0 mm		Weekl	u oumulative :	rainfall: 00.0 1	mm	
		Weeni	y cumululle i	ungun 00.01		
NIDIT C M.		North East Region 02 Februar			/	
NDVI for Mizoram		ST2		wet mildly dr	y/mildly wet	
			4 J mol			
			6 600			
		>0.7	1			
		Agriculture vigour is moderate over most of the parts i Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.				
		N N	<u>~</u>		1 Page	

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ICAR RESEARCH COMPLEX FOR NEH REGION

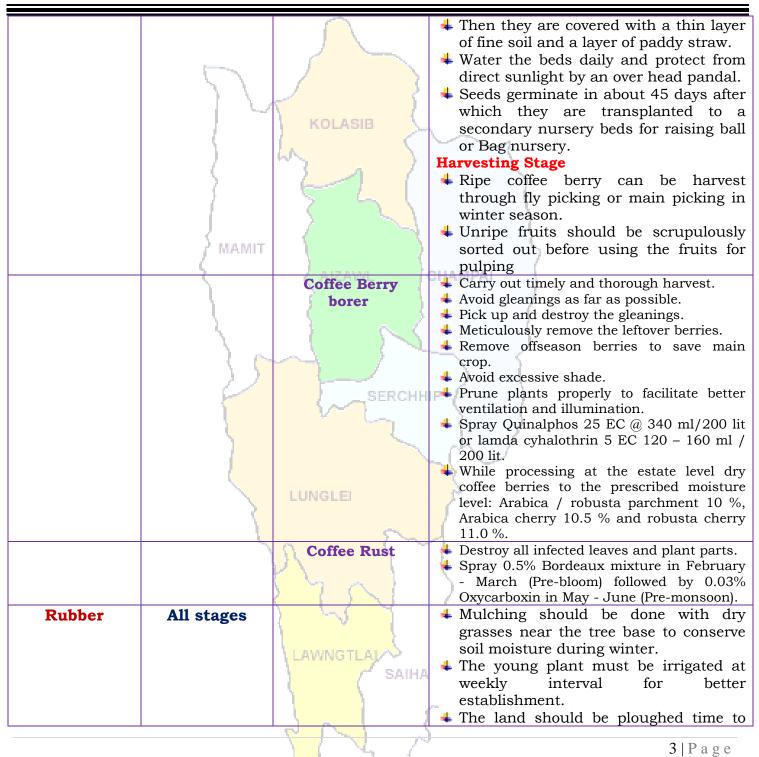






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		\sum	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
CEREALS AND PU Rabi Maize	ULSE CROPS vegetative stage	AIZAWL	 Light 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.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	 Remove the alternate host Oxalis comiculata. Light irrigation on every week may be given for better establishment and smooth growth. If flowering and pod formation going to occur spray 2% urea solution for better growth and development. Harvest all the mature fruits and plant from field.
		Pea rust	Soybean rust mainly occurred when T _{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. Management:
		LAWNGTLAL SAIHA Mustard sawfly and cabbage	 Spray the crop with Dithane M-45 at the rate of 2 kg per hectare in 1000 liters of water. Two to three sprays at 10 days interval are sufficient. Due to high temperature during day time and high humidity results 4 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	 appearance of mustard sawfly and cabbage butterfly in mustard and toria. Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water. 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.
			Tinta inclusion and a strength of
Tomato	Harvesting	AIZAWL	 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	+ Prevailing weather may conducive for
	5	SERCHH	blight in Tomata
		Powdery mildew	 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.
Early Cole	Harvesting	L'UNING I LIND	Light irrigation on every alternate day
crop	stage	Saiha	and smooth growth. Mulching must be done after
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			irrigation.
			4 Harvest all the mature and
			immature cobs.
		Mustard sawfly	4 Due to high temperature during day
		and cabbage 🥤	time and high humidity results
		butterfly	appearance of mustard sawfly and
			cabbage butterfly in cole crops.
	<u> </u>		Apply contact insecticide like Cyper25-
		~ ~ /	Cypermethrin 25% EC or Deltamethrin
	>		25% EC @ 2ml per litre of water.
Onion and	Vegetative		4 One or two side dressings of nitrogen
capsicum	and fruiting		are applied during a season.
capsicum	and multing		4 These side dressings may be applied
	stage		through the irrigation system.
	(Light irrigation on every alternate day
		AIZAWL	
	l l	1	may be given for better establishment
	l l		and smooth growth.
	1. L.		4 Mulching must be done after
			irrigation.
		~~~ / ``	🔰 Harvest all mature fruits in
			capsicum.
		Phytopthora HH	Seed treatment with thiram 3g/kg seed or
		blight	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	Pod	LUNGLEI	+ Provide light irrigation with mulching.
	formation		Before irrigation weeding and thinning
	stage	<u> </u>	must be done for proper growth of the
		$\sim$	crop.
			Earthing up soil for better growth and
			weed free.
		2 1 5 1	4 Apply 2% urea solution which gives
			sood growth and development.
<b>Carrot and</b>	Harvesting		Light irrigation on every alternate day
radish	stage		may be given for better establishment
			and smooth growth.
		C SAIHA	Harvest all mature plants.
ANIMAL HUSBEN	IDARY		· · · •
Pig	All stages		↓ As the weather gets colder, your pigs'
U	<b>.</b>		)
			6   P a g e

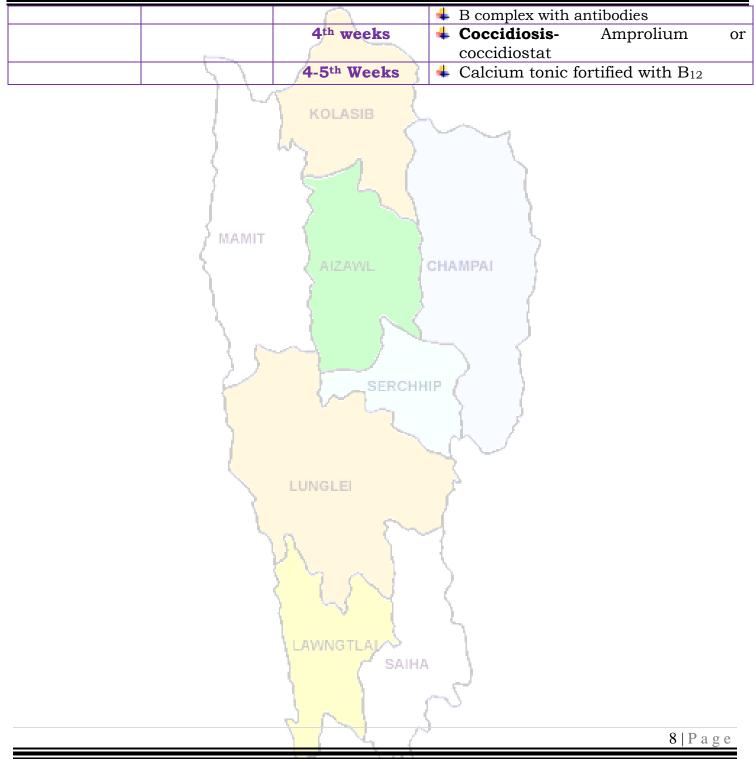


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		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> <li>Culling of positive pigs or piglets.</li> </ul>
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAMmonths and yearly interval/6 month interval
Cattle	All age group	J.S.	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
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 clear drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul>
	Preventive measures	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
			7   P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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

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



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

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	<b>Dr. Lalmuan</b> zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	<b>Dr. Vanlalhruaia Hnampe</b> Head <mark>&amp; Sr. Scientist</mark>	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



## **District:** Lunglei

Period: 01 March - 05 March, 2017

<b>Bulletin No:</b>	. 679	0/2016	5/ R1	illetin	/Mizo
Dunctin no.	012	72019			11120

Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	30	30	29	29	29		
Min Temp (°C)	13	13	13	14	14		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	98	96	99	96	86		
Min RH (%)	37	29	32	23	15		
Wind Speed (KmpH)	4	4	4	4	4		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- S-E,			
		Vesterly- <mark>S-W</mark> , We	• • • •	•			
STATUS OF MONSO	OON- June 1-3	0, 2016 (Percent	of deviation fr	om normal in p	arenthesis)		
Aizawl- 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	n <mark>m Serch</mark> hip	-411.72mm		
(453.1mm)		( <b>465.14mm</b> )	(442.80r		(259.62mm)		
Weather summary	of the past	01 st March-	05 th March,	2017 chhun	ga sik leh		
three day	s	sa dinhmun tur tlangpui					
Maximum Tem. (°C):2	22-24°C				i tla miablo		
Minimum Tem. (°C):1		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-27°C a ni ang a. A					
Maximum RH (%):54-		vawh lai ber in 11-13°C ni tura beisei a ni. RH san lai					
Minimum RH (%):26-	400/	berin 67-91% leh a hniam lai berin 12-18% ni tur a rin					
Wind Direction: Sout	h a a st a st les	niin. Thli hi dar					
Cloud cover: Mainly							
Wind Speed: 4 km/h		awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.					
-		hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekl	y cumulative	<b>rainfall:</b> 00.0r	nm		
NDVI for Mizoram		North East Region 02 Februar	^{y 2017} Moderately	wet mildly dr	y/mildly wet		
			conditions				
			3 ] Mot				
		0.4-0	5 6 Goo				
		₩ ∰ = 0.6-0 >0.7	.7 ] Ven				
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Mani	n North-				
		Arunachal Pradesh shows good vigour.					
			14		1   Page		

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal					
Animal		practices/ Pest/	husbandry advisories					
/Fisheries		Diseases						
FRUITS CROPS								
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur					
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul					
AND ACID			velah dahkhawm tur ani.					
LIME		Le V	4 Thlai naupang deuah chuan chawlh					
	(	3 1 /	kar tin a tui pek thin tur ani.					
BANANA	2		4 Leia tha mamawh tawk a hmuh					
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		theihna turin a hmunhma a hnim awm					
			te thlawhfai thin tur ani.					
STAR FRUIT	A MAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha					
	/ mediant		taka pek hian a rah tla tur chelh nan					
PLUM AND	2	AIZAWL	leh a rah than that nan te leh a rah					
-	1		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					
		greening and Dieback	a trangah te hnawih tur ani.					
		Fruit flyERCHH	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	5 C							
COFFEE	All stages	the GP 1 S GP has been	Nursery stage					
		~	+ Thlai chi thlak hma in Azospirillum leh					
		a (~~	Phosphobacterium a enkawl tur ani.					
			A chi hi December – January ah hmun					
			zawl/rualrem 1.5 - 2.5 cm a in hlatin					
			tlar mumal tak siam in chin tur ani.					
		) _ \	Chuan a chi chu lei tlem te a chhilh a					
			buhpawla khuh tur ani.					
			Nitin tui pek tur ani a, a sat lutuka loh non niin a ahhun loh non non hliah tun					
		SAIHA	nan niin a chhun loh nan zar hliah tur					
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.					
			Dag all all sawii chiluak ich unn alli.					
			2   P a g e					

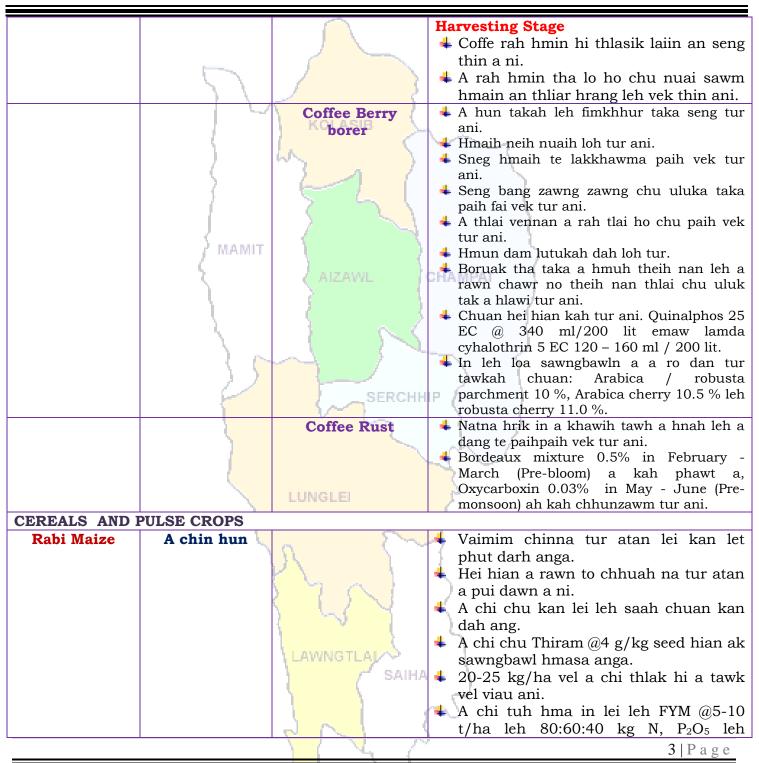


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

Guwahati)







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	2		$K_2O/ha$ 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 CR	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		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	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek</li> </ul>
		The state	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ICAR			
	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</li> <li>@ 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</li> </ul>
	35	AIZAWL 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	LAWNGTLAL	<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>
		201	
			5   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB Porcine Reproductive	<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> <li>Vawknote emaw vawk lak hran.</li> </ul>
		Respiratory Syndrome (PRRS).	СНАМРАІ
	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	<ul> <li>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.</li> </ul>
	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		Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		ANT -	<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)



**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. **Ranikhet** Disease- an pian atanga ni 0-3 rd week **Preventive** 1-6 ah F1 vaccine pek tur ani a, chuan measures a puitlingh chuan R₂B vaccine pek tur ani. **4** B complex with antibodies 4th weeks **Coccidiosis**-Amprolium or coccidiostat MAMIT 4-5th Weeks 4 Calcium tonic fortified with B₁₂ SERCHHIP LUNGLEI LAWNGTLA SAIHA 7 | Page



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

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



#### Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	÷	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	$\left  \cdot \right $	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	<b>Dr. Lalmuan</b> zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District: Mamit** 

Bulletin No: - 679/2016/ Bulletin/English Date of is:

Date of issue: 28th February, 2017

Period: 01 March - 05 March, 2017

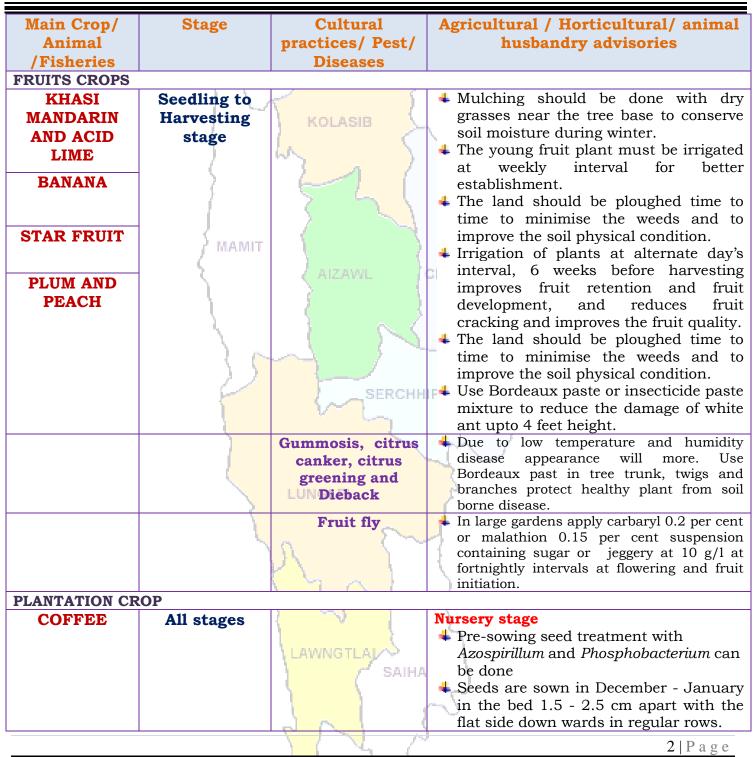
	<u> </u>					
Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	12	13	13	14	14	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	81	78	82	73	77	
Min RH (%)	16	14	14	20	20	
Wind Speed (KmpH)	4	3	4	4	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-l	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO	OON- June 1-3	0, 2016 (Percent	of deviation fr	om normal in p	arenthesis)	
<b>Aizawl-</b> 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	Weather forec	ast valid from	01 st March, 20	17 To 05 th	
three day	s	March, 2017.				
Maximum Tem. (°C):2	26-28°C	There is no chance of rainfall during the next 5 days. The				
Minimum Tem. (°C):		maximum and minimum temperatures for the next 5 days				
Maximum RH (%):61-		may range for 25-27°C and 12-14°C. Maximum relative				
Minimum RH (%):25-4	400/	humidity is expected in the range of 73-82% and minimum				
Wind Direction: south		may from 14-20%. Wind direction would be southeasterly				
Cloud cover: Clear sk						
Wind speed: 4 km/hr		with the wind speed of 3-4 km per hour. Clear sky will				
-		prevail during the next five days.				
Rainfall: 00.0 mm						
		Weekl	y cumulative i	r <b>ainfall: 00.0</b> 1	nm	
NDVI for Mizoram		North East Region 02 Februar	^{y 2017} Moderately	wet mildly dr	y/mildly wet	
			conditions			
		0.3-0	.4 ] .5 ]- Goo			
		0.5-0	7 } Ven			
		Agriculture vigour is moderate over most of the parts in	n North-			
		Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.	pur and			
			2			
		M N	17		1   P a g e	

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

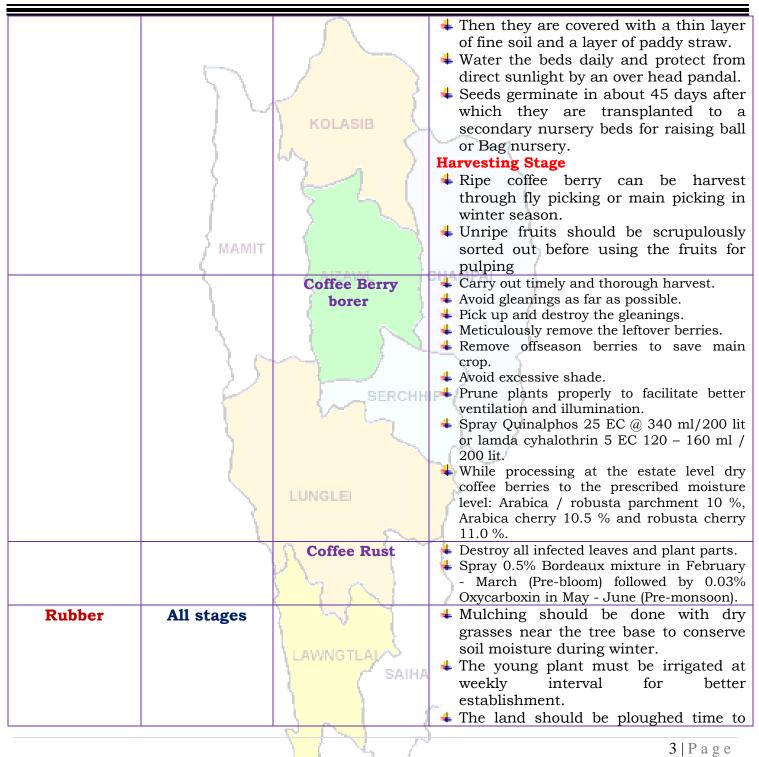






#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**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 H			
Rabi Maize	vegetative 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>
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	<ul> <li>Light irrigation on every week may be given for better establishment and smooth growth.</li> <li>If flowering and pod formation going to occur spray 2% urea solution for better growth and development.</li> <li>Harvest all the mature fruits and plant from field.</li> </ul>
		Pea rust	<ul> <li>Soybean rust mainly occurred when T_{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem.</li> <li>Management:</li> <li>Spray the crop with Dithane M-45 at the rate of 2 kg per hectare in 1000</li> </ul>
		LAWNGTLAL	are sufficient.
		Mustard sawfly and cabbage	Use to high temperature during day time and high humidity results
		ana cabbage	
			4   P a g e



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



Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	<ul> <li>appearance of mustard sawfly and cabbage butterfly in mustard and toria.</li> <li>Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water.</li> <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>
			I Tight invitation on success of the sector days
Tomato	Harvesting stage	AIZAWL	<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	+ Prevailing weather may conducive for
	5	SERCHH	The list is The second
		Powdery mildew	<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>
Forly Colo	Unmesting	LAWINGTLA	I light invigation on arrange alternate day
Early Cole crop	Harvesting stage	Saiha	may be given for better establishment and smooth growth. Mulching must be done after
		M N A	5   P a g e



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



			irrigation.
			4 Harvest all the mature and
			immature cobs.
		Mustard sawfly	<b>4</b> Due to high temperature during day
		and cabbage	time and high humidity results
			appearance of mustard sawfly and
		butterfly	cabbage butterfly in cole crops.
		I. C	Apply contact insecticide like Cyper25-
	)	NS )	Cypermethrin 25% EC or Deltamethrin
	5	2 1 (	25% EC @ 2ml per litre of water.
Onion and	Veretetine		
Onion and	Vegetative		One or two side dressings of nitrogen
capsicum	and fruiting		are applied during a season.
	stage	1	<b>4</b> These side dressings may be applied
	1		through the irrigation system.
	2	AIZAWL	Light irrigation on every alternate day
	1		may be given for better establishment
			and smooth growth.
			<b>4</b> Mulching must be done after
			irrigation.
			Harvest all mature fruits in
			capsicum.
	E Service	Phytopthora HH	Seed treatment with thiram 3g/kg seed or
		blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
French bean	Pod		+ Provide light irrigation with mulching.
	formation	LUNGLEI	Before irrigation weeding and thinning
	stage	_	must be done for proper growth of the
	stage	~ ~	crop.
			Earthing up soil for better growth and
			weed free.
			$\neq$ Apply 2% urea solution which gives
			good growth and development.
Carrot and	Harvesting		Light irrigation on every alternate day
radish	stage		may be given for better establishment
1441011	scuer	LAWNGTLAL	and smooth growth
		/" SAIHA	Harvest all mature plants.
ANIMAL HUSBEN	IDARY		
Pig	All stages		▲ As the weather gets colder, your pigs'
6			
			<b>6</b>   P a g e

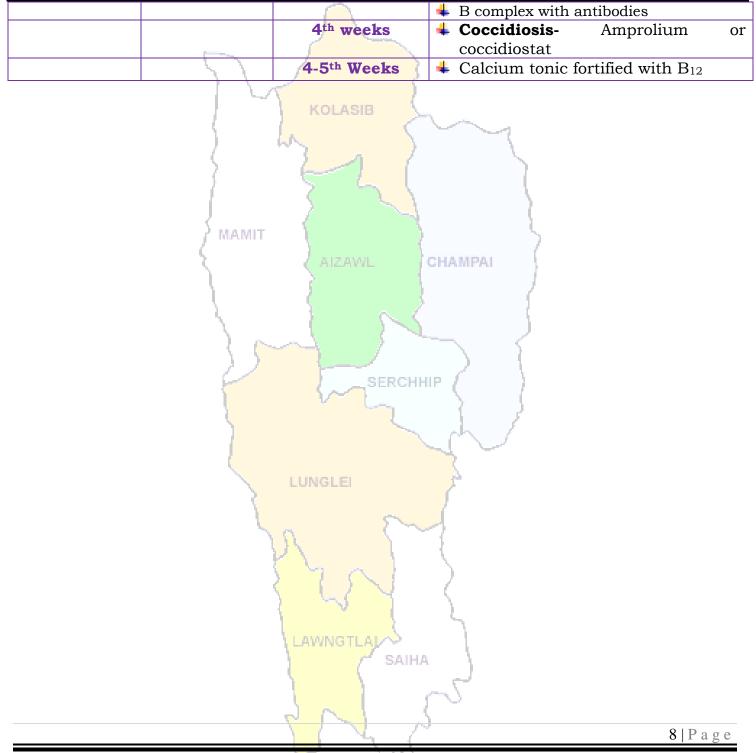


**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	<ul> <li>energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> <li>1. Culling of positive pigs or piglets.</li> </ul>
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAMmonths and yearly interval/6 month interval
Cattle	All age group	L N	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Primary vaccination 6 month or above</li> <li>Revaccination annually</li> </ul>
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 clear drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul>
	Preventive measures	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R ₂ B vaccine for adult birds.
		N N N	7   P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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

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



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

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	<b>Dr. Lalmuan</b> zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District: Mamit** 

Period: 01 March - 05 March, 2017

<b>Bulletin No:</b>	-	679/2016/	Bulletin	/Mizo

Date of issue: 28th February, 2017

Parameters01.03.201702.03.201703.03.201705.03.201705.03.2017Rainfall (0m)000000Max Temp (%)2626272725Min Temp (%)1213131414Cloud CoverageClear skyClear skyClear skyClear skyCloud Speed (KmpH)43444Wind Speed (KmpH)4344Wind Speed (KmpH)4344Maxinum Tem. (°C): 12-14°C10:14130.740 mmKolasib- 236.00mmMaximum Tem. (°C): 25-42%10:1414:17.20m14:20.87mm </th <th>Deveryor</th> <th>01 00 0017</th> <th>00.00.0017</th> <th>00.00.0017</th> <th>04 02 0017</th> <th>OF 00 0017</th>	Deveryor	01 00 0017	00.00.0017	00.00.0017	04 02 0017	OF 00 0017	
Max Temp (%)262626272725Min Temp (%)1213131414Cloud CoverageClear skyClear skyClear skyClear skyClear skyMax RH (%)8178827377Min RH (%)1614142020Wind Speed (KmpH)43444Wind Speed (KmpH)4344Wind Speed (KmpH)4344Wortherly- 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)Saiha- 307.40 mm (423.1mm) (423.1mm)Lawngtlai-291.20mm (430.2mm)Lunglei-326.00mm (359.89mm)Saiha- 307.40 mm (507.7mm)Kolasib- 236.00mm (428.1mm) (428.1mm)Lawngtlai-291.20mm (453.1mm)Lunglei-326.00mm (455.14mm)March- 05 th March, 2017 chhunga sik leh sa dinhmunt tur tlangpuiWeather summary of the past three daysO1 st March- 05 th March, 2017 chhunga sik leh sa dinhmunt tur tlangpuiMaximum Tem. (°C): 226-28°C Minimum RH (%):51-94% Wind Direction: southeasterly Cloud cover: Clear sky Wind speed: 4 km/hrTun ni 5 chhung lo awm turah hian ruahtui ita miahlo tura beisei a ni. Khua a lum lai berin 14-20% ni tur a rin wird speed: 4 km/hrRainfall: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramMeetaley we we we we we we	Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Min Temp (%C)1213131414Cloud CoverageClear skyClear skyMin RHReinfallA34444*Wind Speed (KmpH)43455SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	· · ·	-	-	-	Ŭ	J J	
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Max RH (%)8178827377Min RH (%)1614142020Wind Speed (KmpH)43444Wind DirectionS-ES-ES-ES-ES-ENortherly- N, North-Easterly- S-W, Westerly- W, Worth-westerly- N.W.STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Status OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)Aizawi- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mmAizawi- 384.87mmChamphai- 105.48mmSaiha- 307.40 mmKolasib- 236.00mm(428.1mm)(428.1mm)Lawngtlai-291.20mmLunglei-326.00mmMamit-204.87mmSerchhip-411.72mm(453.1mm)(455.14mm)(442.80mm)(259.62mm)Weather summary of the past three daysO1** March- 05 th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiMaximum Tem. (°C): 12-14°CTun ni 5 chhung lo awn turah hian ruahtui tla miablo tura beisei a ni. Khua a lum lai berin 25-27°C ani ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 73-82% leh a hniam lai berin 14-20% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.NDVI for MizoramWeterlow u un un tur tura un tura tura tura tura tura tura u un tura un tura tura bian khawthiang tak hmuh beisei a ni.Maximum RH%:0.00 mmStatuary un tura un tura tura bian khawthiang tak hmuh beisei a ni.Wind Speed: 4 km/hrStatuary un tura un tura bian kha			-				
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*Wind Direction       S-E	Min RH (%)	16	14	14	20	20	
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)Saiha-307.40 mm (428.1mm)Lawngtlai-291.20mm (453.1mm)Champhai-105.48mm (507.7mm)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 (428.1mm)Weather summary of the past three daysO1st March- O5th March, 2017 chhunga sik leh sa dinhmun tur tlangpuiTun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 15-270°C a ni ang a. A vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 73-82% leh a hniam lai berin 14-20% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.NDVI for MizoramWeekly cumulative rainfall: 00.0mm	Wind Speed (KmpH)	4	3	4	4	4	
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Minimum RH (%):25-42% Wind Direction: southeasterly Cloud cover: Clear sky Wind speed: 4 km/hrValue of the file o	• •		tura beisei a ni.	Khua a lum lai	berin 25-27°C	a ni ang a. A	
Wind Direction: southeasterly Cloud cover: Clear sky Wind speed: 4 km/hrDormit 75-02/00 felt a finitian fail bornit 14-20/00 in tul a finitian niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.Rainfall: 00.0 mmWeekly cumulative rainfall: 00.0mmNDVI for MizoramOrth fast Region Ore and provide on the fast Region Ore							
Cloud cover: Clear sky Wind speed: 4 km/hr       Inin. Thir hi darkar khatan 3-4 km vela chakin chhakian awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.         Rainfall: 00.0 mm       Weekly cumulative rainfall: 00.0mm         NDVI for Mizoram       North East Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regin         Image: Strategy of the set Regin       Strategy of the set Regi							
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wind speed: 4 km/hr       hian khawthiang tak hmuh beisei a ni.         Rainfall: 00.0 mm       Weekly cumulative rainfall: 00.0mm         NDVI for Mizoram       North tast Region       2 February 2017         Apiculare regure is moderate over not of the parts in North       Moderately wet mildly dry/mildly wet conditions		y .					
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NDVI for Mizoram       North East Region       2 February 2017       Moderately wet mildly dry/mildly wet conditions		1	illali Kilawtillalig	s lak innun Dei	sci a 111.		
NDVI for Mizoram North East Region 02 February 2017 03-043 04-045 05-05 Gree 04-045 05-05 Gree 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-045 04-	Rainfall: 00.0 mm		TT7 1-1				
Agriculture vigour is moderate over most of the parts in North-			ωεεκι	y cumulative	rainjali: 00.01	nm	
Agriculture vigour is moderate over most of the parts in North-							
Agriculture vigour is moderate over most of the parts in North-	NDVI for Mizoram		North East Region 02 Februar	5	wet mildly dr	y/mildly wet	
Q2-03       Mon         Q3-04       Gor         Q4-05       Gor         Q5-07       Won         Agriculture vigour is moderate over most of the parts in North-				conditions			
$\begin{bmatrix} 0.4-0.5\\ 0.5-0.6 \end{bmatrix}$ Gee $\begin{bmatrix} 0.4-0.5\\ 0.5-0.6 \end{bmatrix}$ Ver Agriculture vigour is moderate over most of the parts in North-			0.2-0	3 [ Moi			
			■ 0.6-0 >0.7	7 ] ven			
Fastern states whereas few natches in Assam Maninus and							
Eastern states, whereas tew patches in Assam, Manpur and Anunchal Pradesh shows good vigour.				pur and			
1   Page			$\nabla$	N		1 Page	



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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	1
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8		velah dahkhawm tur ani.
LIME	)	Le V	4 Thlai naupang deuah chuan chawlh
	(	3 1 1	kar tin a tui pek thin tur ani.
BANANA			4 Leia tha mamawh tawk a hmuh
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	/	- X (	taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL	c leh a rah than that nan te leh a rah
	1		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
		Dieback	a trangah te hnawih tur ani.
		Fruit flyERCHH	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			
COFFEE	All stages	Same State 1 (10) State State 1	Nursery stage
	\\	~	+ Thlai chi thlak hma in Azospirillum leh
		a (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
		) 5 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur
		- SAIHA	
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.
			Jag an an sawn chindak ich thin alli.
			2   P a g e

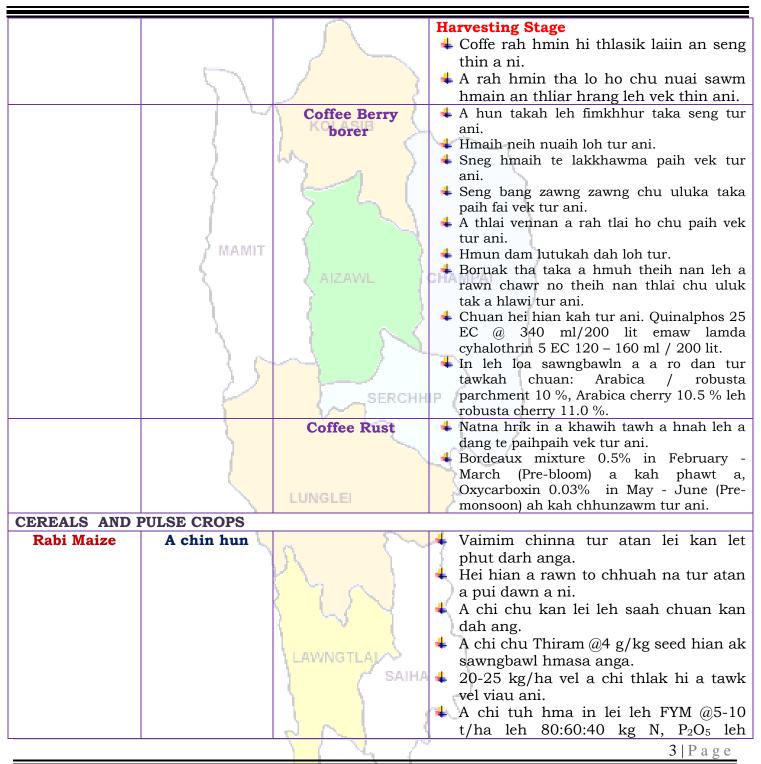


#### **ICAR RESEARCH COMPLEX FOR NEH REGION**

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

on District wise weather Forecas Guwahati)







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Soybean, pea, lentil toria, breen gram cultivation in rice fellowAll stageZero tillageK2O/ha pawlh chu hman phawt tu ni. Nitrogen dose chanve chu a chi ti hunlaia hman tur a ni a, tichuar bang 25% chu thla khat hnu ah ang a adang leh 25% chu a par hur hman tur a ni.Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellowAll stageZero tillagePotatoSowing stage4A than a that theih nan nikhat dar tu pek thin tur ani.Hei hian a that hur ani.4Hei hian a that hur ani.4Lei leh hmain a than hur laiin natna hrii lakah a veng dawn ani.Lei leh hmain a hmun hma chu
lentil toria,       tui pek thin tur ani.         breen gram       Lei rih vur hian thlai kung te a veng ani.         and black       Thlasik lai a lei khoro lutuk tur venan a chungah hnim leh thildar khuh tur ani.         cultivation in rice fellow       Muangchang loving alu chin na chu buatsaih vat tur ani.         Potato       Sowing stage         Image: Sowing stage       Image: Sowing stage
Potato       Sowing stage       Image: Algorithm of the stage       Image: Multiple stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage       Image: Algorithm of the stage         Image: Algorithm of the stage       Image: Algorithm of the stag
<ul> <li>Let let hen findalt a findalt nind chu taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fi hmasak tur ani.</li> <li>A than a that theih nan nikhat dan tui pek thin tur ani.</li> </ul>
Tomato       Bacterial Blight disease       Tomato bikah chuan sik leh sa natna an kaina tlang lawn ber ani .         Hmun hnawng leh ni hmu lo lut hmunah chuan natna an kai hma ani.       Hmun hnawng leh ni hmu lo lut hmunah chuan natna an kai hma ani.         Tomato bikah chuan sik leh sa natna an kaina tlang lawn ber ani .         Bacterial Blight disease       Hmun hnawng leh ni hmu lo lut hmunah chuan natna an kai hma ani.         Tomato hi a uai a, a thih mai loh n Ridomil emaw Indofil emaw Mancoz @ 2 gm hi tui liter 1 ah pawlh a k tur ani .
Early Cole crop       Black spot disease       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       A than a that theih nan nikhat dan tui pek thin tur ani.         AWNGTLAY       SAIHA
4   P a g



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ICAR			
	2	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	<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> </ul>
	AMAMIT	AIZAWL	<ul> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha</li> <li>CHA 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	LAWNGTLAL	<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>
·	1	201	
			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>
		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	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		TA -	6   P a g e



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<ul> <li>Tui an in tur chhawpna tur tha tha tak leh tui thianghlim tak pel ani.</li> <li>Chaw a hmuar/thing pek loh tur a an chaw eitur thlak sak thut loh ani.</li> <li>Preventive</li> <li>O-3 rd week</li> <li>Ranikhet Disease- an pian atang</li> </ul>	
Chaw a hmuar/thing pek loh tur a an chaw eitur thlak sak thut loh ani.	
an chaw eitur thlak sak thut lok ani.	
ani.	
	i tui
	ga ni
measures 1-6 ah F1 vaccine pek tur ani a, cl	
a puitlingh chuan R ₂ B vaccine pel	
ani.	
B complex with antibodies	
4 th weeks 4 th Coccidiosis- Amprolium	or
Coloium topic fortified with Pro	
MAMII     4-5th Weeks     4 Calcium tonic fortified with B ₁₂ AIZAWL     CHAMPAI	
SERCHHIP	
LAWNGTLAL	
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)



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

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	i.	Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAL

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	<b>Dr. Lalmuan</b> zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



**District: Saiha** 

Period: 01 March - 05 March, 2017

<b>Bulletin No:</b>	-	679	/2016/	Bulletin/	English
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Date of issue: 28th February, 2017

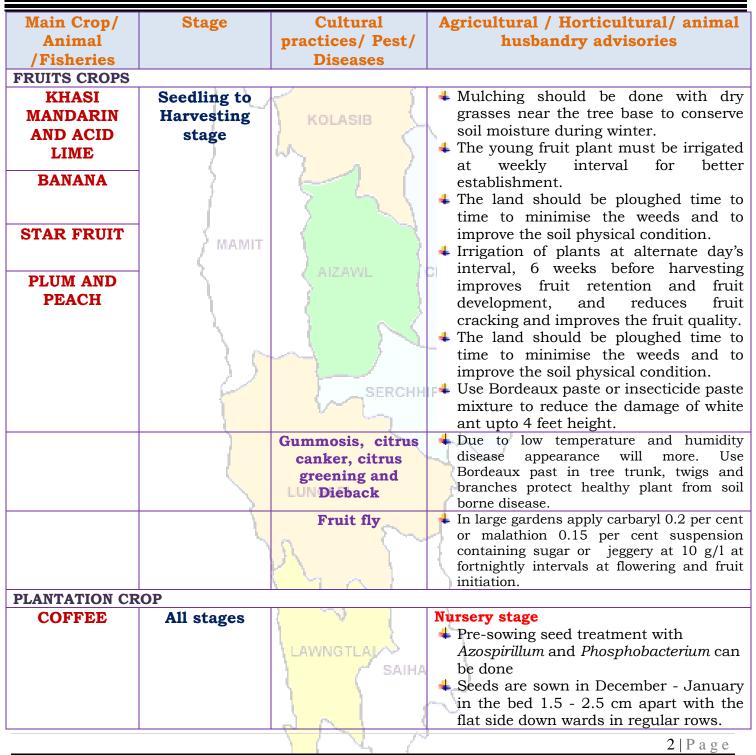
Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	26	27	27	25		
Min Temp (°C)	11	12	13	13	14		
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	59	57	54	64	63		
Min RH (%)	12	11	11	13	14		
Wind Speed (KmpH)	4	4	4	4	4		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	•		
Souther	ly- <mark>S</mark> , South-V	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	-		<mark>Saiha</mark> - 307.40 n	nm Kolasib-	236.00mm		
(430.2mm)		(359.89mm)	(507.7r	•	(428.1mm)		
Lawngtlai-291.20mm			<mark>Mamit-204.87n</mark>	-	-411.72mm		
(453.1mm)		(465.14mm)	(442.80r		(259.62mm)		
Weather summary of	-	Weather foreca			017 To 05 th		
three day			March, 2	2017.			
Maximum Tem. (°C):		There is no char	nce of rainfall o	during the next	5 days. The		
Minimum Tem. (°C):		maximum and minimum temperatures for the next 5 days may range for 25-27°C and 11-14°C. Maximum relative					
Maximum RH (%):62-	97%						
Minimum RH (%):28-	<b>42%</b>	humidity is expected in the range of 57-64% and minimum					
Wind Direction: Sout	heasterly	may from 11-13%. Wind direction would be easterly with					
Cloud cover: Clear sk	<b>y</b> .	the wind speed of 4 km per hour. Clear sky will prevail					
Wind Speed: 4 km/hr		during the next five days.					
		during the next i	ive days.				
Rainfall: 00.0 mm		Weekl	u cumulative	rainfall: 00.0 1	mm		
		weeni	y cumulutte i	ungun 00.01			
NDVI for Mizoram		North East Region 02 Februar			/ :1 -11		
NDVI for Mizoram		552	5	wet mildly dr	y/mildly wet		
			4 J				
		0.4-0					
		₩ •0.7	1				
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.	) North- bur and				
		2					
		N K	Pr.		1   Page		

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



#### ICAR RESEARCH COMPLEX FOR NEH REGION

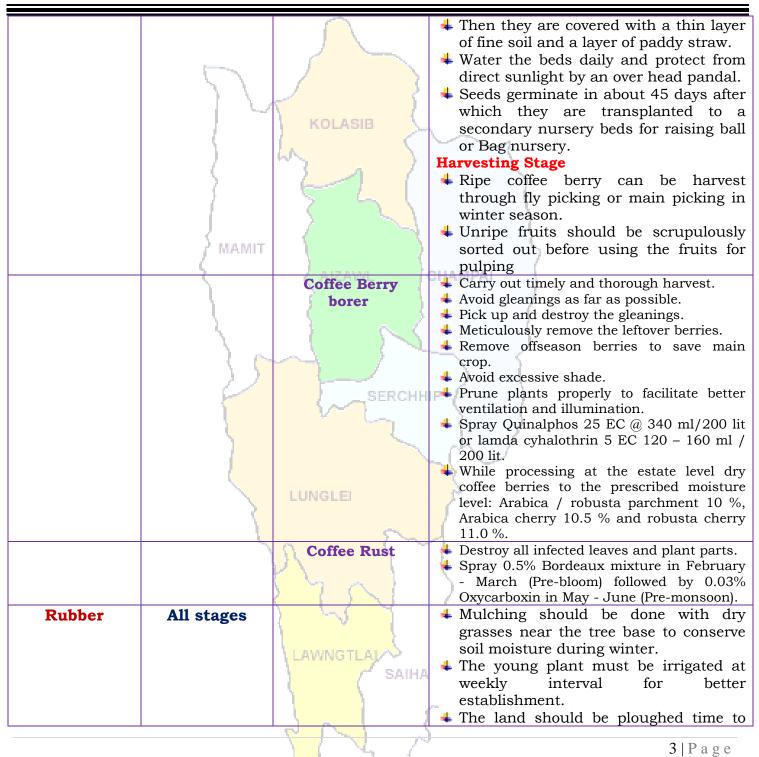






#### **ICAR RESEARCH COMPLEX FOR NEH REGION**







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		$\sum$	<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 PU Rabi Maize	ULSE CROPS vegetative stage	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> </ul>
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	<ul> <li>Remove the alternate host Oxalis comiculata.</li> <li>Light irrigation on every week may be given for better establishment and smooth growth.</li> <li>If flowering and pod formation going to occur spray 2% urea solution for better growth and development.</li> <li>Harvest all the mature fruits and plant from field.</li> </ul>
		Pea rust	Soybean rust mainly occurred when T _{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. <b>Management:</b>
		LAWNGTLAL SAIHA Mustard sawfly and cabbage	<ul> <li>Spray the crop with Dithane M-45 at the rate of 2 kg per hectare in 1000 liters of water.</li> <li>Two to three sprays at 10 days interval are sufficient.</li> <li>Due to high temperature during day time and high humidity results</li> <li>4 Page</li> </ul>



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



Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	<ul> <li>appearance of mustard sawfly and cabbage butterfly in mustard and toria.</li> <li>Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water.</li> <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>
			Tinta inclusion and a strength of
Tomato	Harvesting	AIZAWL	<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	+ Prevailing weather may conducive for
	5	SERCHH	blight in Tomata
		Powdery mildew	<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>
Early Cole	Harvesting	L'UNING I LIND	Light irrigation on every alternate day
crop	stage	Saiha	and smooth growth. Mulching must be done after
			5   P a g e



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



			irrigation.
			4 Harvest all the mature and
			immature cobs.
		Mustard sawfly	<b>4</b> Due to high temperature during day
		and cabbage 🥤	time and high humidity results
		butterfly	appearance of mustard sawfly and
			cabbage butterfly in cole crops.
	<u> </u>		Apply contact insecticide like Cyper25-
		~ ~ /	Cypermethrin 25% EC or Deltamethrin
	>		25% EC @ 2ml per litre of water.
Onion and	Vegetative		4 One or two side dressings of nitrogen
capsicum	and fruiting		are applied during a season.
capsicum	and multing		<b>4</b> These side dressings may be applied
	stage		through the irrigation system.
	(		Light irrigation on every alternate day
		AIZAWL	
	l l	1	may be given for better establishment
	l l		and smooth growth.
	1. L.		<b>4</b> Mulching must be done after
			irrigation.
		~~~ / ``	🔰 Harvest all mature fruits in
			capsicum.
		Phytopthora HH	Seed treatment with thiram 3g/kg seed or
		blight	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	Pod	LUNGLEI	+ Provide light irrigation with mulching.
	formation		Before irrigation weeding and thinning
	stage	<u> </u>	must be done for proper growth of the
		\sim	crop.
			Earthing up soil for better growth and
			weed free.
		2 1 5 1	4 Apply 2% urea solution which gives
			sood growth and development.
Carrot and	Harvesting		Light irrigation on every alternate day
radish	stage		may be given for better establishment
			and smooth growth.
		C SAIHA	Harvest all mature plants.
ANIMAL HUSBEN	IDARY		· · · •
Pig	All stages		↓ As the weather gets colder, your pigs'
U	.)
			6 P a g e

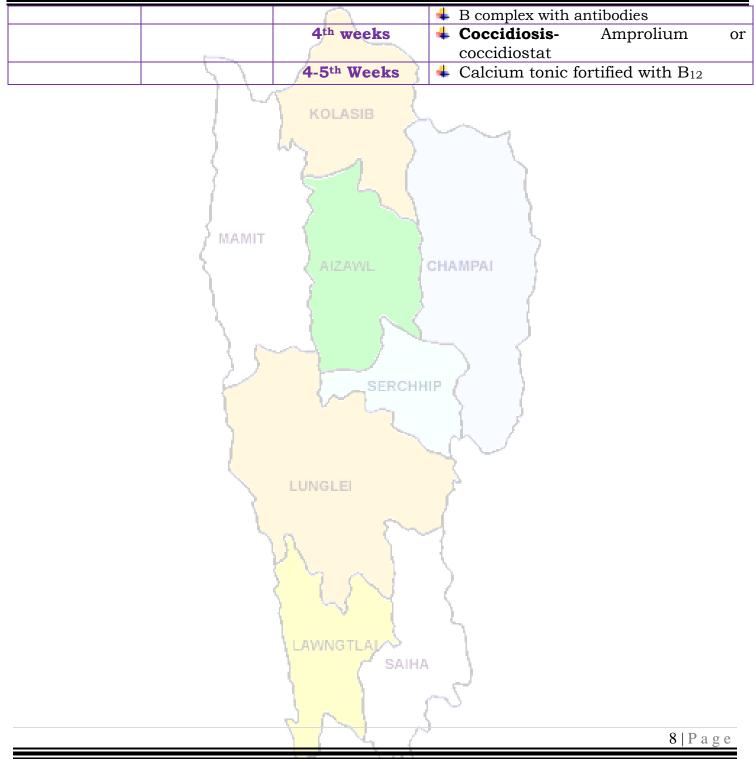


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		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAMmonths and yearly interval/6 month interval
Cattle	All age group	L.S.	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management		 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. Provide ample quantity of clear 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 R ₂ B vaccine for adult birds.
			7 P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head <mark>& Sr. Scientist</mark>	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Saiha

Period: 01 March – 05 March, 2017

Bulletin No:	679/2016/	Bulletin	/Mizo
Dunctin no.	012/2010/	Dunctin	1120

Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	26	27	27	25		
Min Temp (°C)	11	12	13	13	14		
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	59	57	54	64	63		
Min RH (%)	12	11	11	13	14		
Wind Speed (KmpH)	4	4	4	4	4		
*Wind Direction	E	E	E	E	E		
Northe	rly- N, North-I	Easterly- N-E, Eas	sterly- E, South	-Easterly- S-E,	1		
	• •	Vesterly- <mark>S-W</mark> , We	· · · · · · · · · · · · · · · · · · ·	•			
STATUS OF MONSO							
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 Serchhij	-411.72mm		
(453.1mm)	(465.14mm)	(442.80r	nm)	(259.62mm)		
Weather summary	of the past	01 st March-	05 th March,	2017 chhun	ga sik leh		
three day	S	sa dinhmun tur tlangpui					
Maximum Tem. (°C):	23-270C /				i the mighto		
Minimum Tem. (°C):		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Maximum RH (%):62-		tura beisei a ni. Khua a lum lai berin 25-27°C a ni ang a. A vawh lai ber in 11-14°C ni tura beisei a ni. RH san lai berin 57-64% leh a hniam lai berin 11-13% ni tur a rin niin. Thli hi darkar khatah 4 km vela chakin chhaklam awi					
Minimum RH (%):28-	4.00/						
Wind Direction: Sout	haartarl						
Cloud cover: Clear sk	- I I						
Wind Speed: 4 km/h	2	zawngin a tleh i		01	nga chhung		
······,,,]	hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekly cumulative rainfall: 00.0mm					
NDVI for Mizoram		North East Region 02 Februar	y2017 Moderately	wet mildly dr	y/mildly wet		
			conditions	· ·			
			3 [Moi				
		0.3-0	5] Goo				
		0.5-0	.7] Ven				
		Agriculture vigour is moderate over most of the parts in					
		Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.	pur and				
			N		1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION



		1				
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	A kui atanga	-	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul			
AND ACID			velah dahkhawm tur ani.			
LIME		LA V	4 Thlai naupang deuah chuan chawlh			
	(3 4 /	kar tin a tui pek thin tur ani.			
BANANA	2		4 Leia tha mamawh tawk a hmuh			
	1		theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	A MAMIT		4 A seng hma kar 6 chhung chu tui tha			
	/ MPADULT		taka pek hian a rah tla tur chelh nan			
	2	AIZAWL	leh a rah than that nan te leh a rah			
PLUM AND	1		keh tur lakah t a veng thei ani.			
PEACH						
	<u>)</u>	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang			
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna — laka vennan Bordeaux past hi thing zar leh			
		greening and	a trangah te hnawih tur ani.			
		Dieback				
		Fruit flyERCHH	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	LONGLEI	Nursery stage			
	\\	~	+ Thlai chi thlak hma in Azospirillum leh			
	L	~ ?~~	Phosphobacterium a enkawl tur ani.			
	,		🖊 A chi hi December – January ah hmun			
			∖ zawl/rualrem 1.5 - 2.5 cm a in hlatin			
			/ tlar mumal tak siam in chin tur ani.			
			+ Chuan a chi chu lei tlem te a chhilh a			
		V (buhpawla khuh tur ani.			
		L MAINIC TLALAS	4 Nitin tui pek tur ani a, a sat lutuka loh			
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur			
		SAIHA				
			4 Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
			2 P a g e			

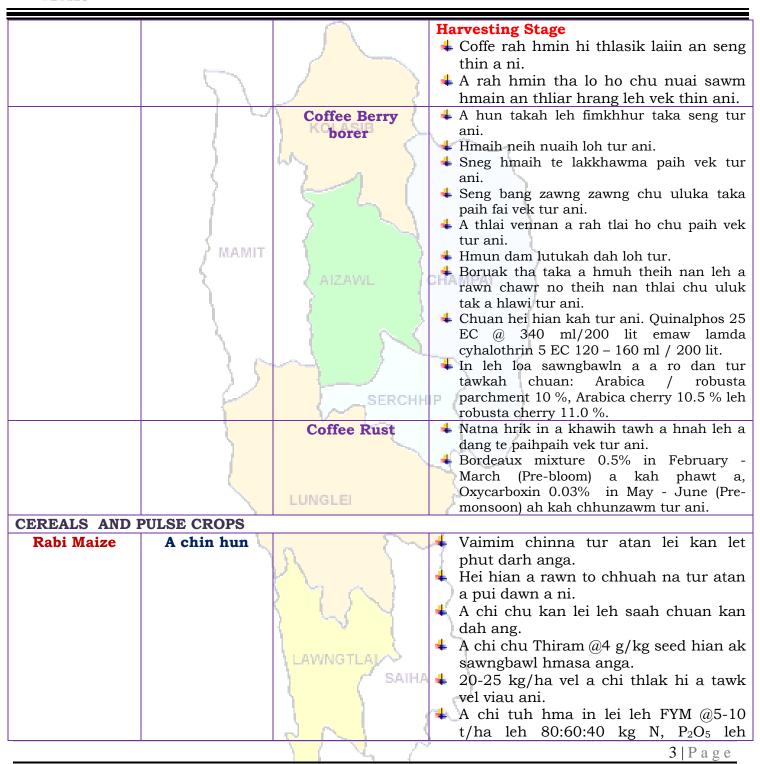


ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)







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



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	5	\bigwedge	 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
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum		221	 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
		Phytopthora	CHA hle ani. ▲ A chi ven that nan thiram 3g/kg seed
	l {	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	5		 Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	n	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.
		LAWNGTLAL	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
			5 P a g e



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	AMMIT	Reproductive Respiratory Syndrome (PRRS).	снамраі
	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.
		PAL Y	6 P a g e



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



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. **Ranikhet** Disease- an pian atanga ni 0-3 rd week **Preventive** 1-6 ah F1 vaccine pek tur ani a, chuan measures a puitlingh chuan R₂B vaccine pek tur ani. **4** B complex with antibodies 4th weeks **Coccidiosis**-Amprolium or coccidiostat MAMIT 4-5th Weeks 4 Calcium tonic fortified with B₁₂ SERCHHIP LUNGLEI LAWNGTLA SAIHA 7 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	$\left \cdot \right $	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuanzovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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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)



05.03.2017

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District: Serchhip

Period: 01 March - 05 March, 2017

Date of issue: 28th February, 2017

03.03.2017 04.03.2017

Bulletin No: - 679/2016/ Bulletin/English					
Parameters	01.03.2017	02.03.2017			
Rainfall (mm)	0	0			
Mar Tame (00)	06	06			

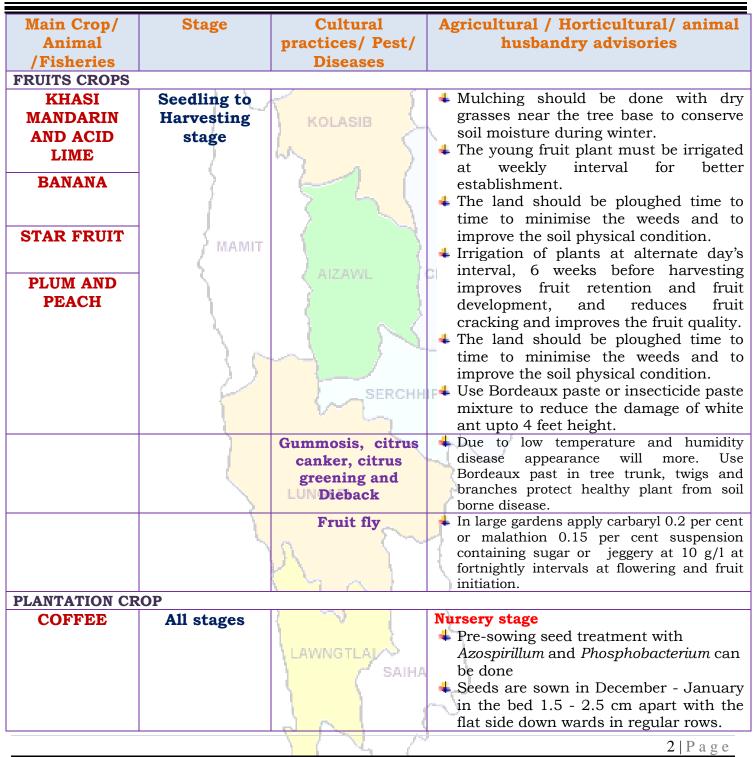
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	12	12	12	12	13	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	61	66	
Min RH (%)	14	13	13	17	16	
Wind Speed (KmpH)	4	4	4	4	3	
*Wind Direction	E	E	E	E	S-E	
Northe	rly- <mark>N</mark> , North-E	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-W	/esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO	ON- 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)	(507.7n	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm	<mark>Mamit-204.87n</mark>	nm Serchhip	-411.72mm	
(453.1mm)	('	465.14mm)	(442.80n	nm)	(259.62mm)	
Weather summary o	of the past	Weather foreca	ast valid from	01st March, 20	17 To 05 th	
three days	s	March, 2017.				
Maximum Tem. (°C): 2 Minimum Tem. (°C): 10 Maximum RH (%):82-9 Minimum RH (%):13-3 Wind Direction: Easter Cloud cover: Clear sky Wind speed: 2-4 km/ Rainfall: 00.0 mm	0-12°C r 95% r 32% h erly r y e	There is no char maximum and m may range for 2 humidity is ex minimum may easterly to south hour. Clear sky w Weekly	ninimum temp 25-27°C and 2 pected in the from 13-17%. easterly with the will prevail dur	eratures for the 12-13ºC. Maxir e range of 6 Wind direction he wind speed of	e next 5 days num relative 1-100% and on would be of 3-4 km per e days.	
NDVI for Mizoram	E	North East Region 02 February 02 February 04-02 04-02 0-4	Aver stall, a] Mee b] Gen 7] Ver North-	wet mildly dr	y/mildly wet	

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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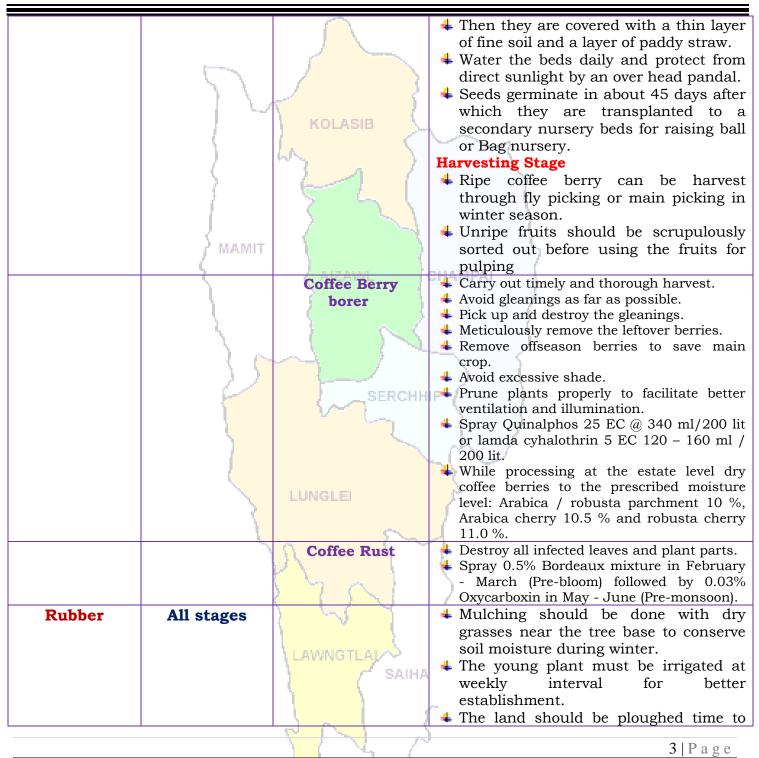






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		\sum	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
CEREALS AND P Rabi Maize	ULSE CROPS vegetative stage	AIZAWL	 Light 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.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	 Light irrigation on every week may be given for better establishment and smooth growth. If flowering and pod formation going to appear appear 2% urgan solution for better
		Pea rust	 Soybean rust mainly occurred when T_{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. Management: Spray the crop with Dithane M-45 at
		LAWNGTLAI SAIHA Mustard sawfly and cabbage	 the rate of 2 kg per hectare in 1000 liters of water. Two to three sprays at 10 days interval are sufficient. Due to high temperature during day time and high humidity results 4 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	 appearance of mustard sawfly and cabbage butterfly in mustard and toria. Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water. 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.
			Light improtion on array alternate days
Tomato	Harvesting	AIZAWL	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	 Prevailing weather may conducive for
		SERCHH	blight in Tomoto
		Powdery mildew	 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.
Early Cole	Harvesting	L'ANNIO I LINK	I light invigation on arrange alternate day
crop	stage	Saiha	 and smooth growth. Mulching must be done after
			· · · · · · · · · · · · · · · · · · ·
		N N A	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			irrigation.
			4 Harvest all the mature and
			immature cobs.
		70 1 1 0	
	2.1	Mustard sawfly	4 Due to high temperature during day
		🚽 and cabbage 🥤	time and high humidity results
		butterfly	appearance of mustard sawfly and
			cabbage butterfly in cole crops.
			4 Apply contact insecticide like Cyper25-
		~ ~ /	Cypermethrin 25% EC or Deltamethrin
			25% EC @ 2ml per litre of water.
Onion and	Vegetative		4 One or two side dressings of nitrogen
	and fruiting		are applied during a season.
capsicum	and fruiting		↓ These side dressings may be applied
	stage		through the irrigation system.
	1		
		AIZAWL	Light irrigation on every alternate day
	l l	1	may be given for better establishment
	l l		and smooth growth.
			4 Mulching must be done after
	1		irrigation.
		~ 1	🔰 Harvest all mature fruits in
			capsicum.
		Phytopthora HH	Seed treatment with thiram 3g/kg seed or
		blight	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	Pod	LUNGLEI	+ Provide light irrigation with mulching.
	formation		Before irrigation weeding and thinning
	stage	6	must be done for proper growth of the
			crop.
			Earthing up soil for better growth and
			weed free.
			4 Apply 2% urea solution which gives
		A LA Y	good growth and development.
Carrot and	Harvesting		Light irrigation on every alternate day
radish	stage	I MARINE AL A	may be given for better establishment
	8-		and smooth growth
		/" SAIHA	Harvest all mature plants.
ANIMAL HUSBEN	IDARY		
Pig	All stages		As the weather gets colder, your pigs'
8			
		V V V	6 P a g e

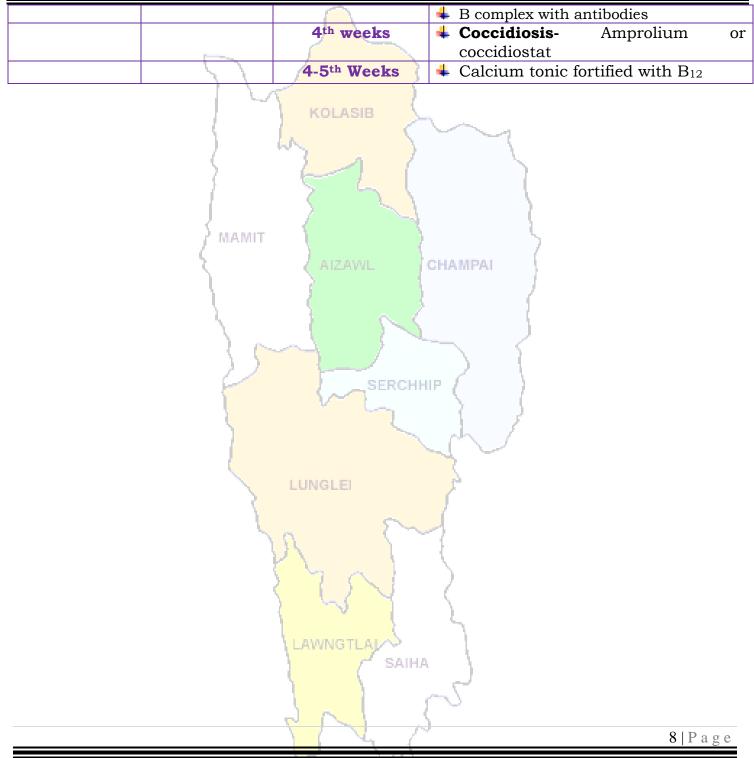


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		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. 1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAMmonths and yearly interval/6 month interval
Cattle	All age group	L N	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management		 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. Provide ample quantity of clear 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 R ₂ B vaccine for adult birds.
		N N N	7 P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuanzovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 01 March - 05 March, 2017

Bulletin	No: -	679	/201	16/	Bulletin	/Mizo
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Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	12	12	12	12	13	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	61	66	
Min RH (%)	14	13	13	17	16	
Wind Speed (KmpH)	4	4	4	4	3	
*Wind Direction	Е	E	E	Е	S-E	
Northe	rly- N, North-H	Casterly- N-E, East	sterly- E, South	-Easterly- S-E,		
Souther	ly- <mark>S</mark> , South-W	/esterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
STATUS OF MONSO					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	01 st March-	05 th March.	2017 chhun	ga sik leh	
three day	s -		a dinhmun t			
Maximum Tem. (°C):	07.0800				-: (1:-1-1-	
Minimum Tem. (°C):		Fun ni 5 chhur	0			
Maximum RH (%):82-		ura beisei a ni.			0	
Minimum RH (%):13-		vawh lai ber in				
Wind Direction: East	- m1	berin 61-100% leh a hniam lai berin 13-17% ni tur a rin niin. Thli hi darkar khatah 3-4 km vela chakin chhaklam				
Cloud cover: Clear sk	1					
Wind speed: 2-4 km/	hr ⁸	awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung				
nina specar = 1 min,	1	hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 00.0 mm						
		Weekl	y cumulative	<mark>rainfall:</mark> 00.0r	nm	
NDVI for Mizoram		North East Region 02 Februar	^{y 2017} Moderately	wet mildly dr	v/mildly wet	
		- 33	conditions	J	<i>J J J J J J J J J J</i>	
			bare soil /			
		0.3-0	.5] Goo			
		0.5-0				
		Agriculture vigour is moderate over most of the parts i	n North-			
		Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.	pur and			
			N		1 Page	
			f		Irage	



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		1	
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	1
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8		velah dahkhawm tur ani.
LIME)	Le V	4 Thlai naupang deuah chuan chawlh
	(3 1 1	kar tin a tui pek thin tur ani.
BANANA			4 Leia tha mamawh tawk a hmuh
	() () () () () () () () () ()	2 5 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT		4 A seng hma kar 6 chhung chu tui tha
	/		taka pek hian a rah tla tur chelh nan
PLUM AND	2 C	AIZAWL	leh a rah than that nan te leh a rah
			keh tur lakah t a veng thei ani.
PEACH			Tourse stress hair a later late her source as an
	le de la companya de	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
		Dieback	a trangah te hnawih tur ani.
		Fruit fly RCHH	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			
COFFEE	All stages	has full 1 10 full has have	Nursery stage
) (~	+ Thlai chi thlak hma in Azospirillum leh
		a (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
) 55 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
)
			2 P a g e

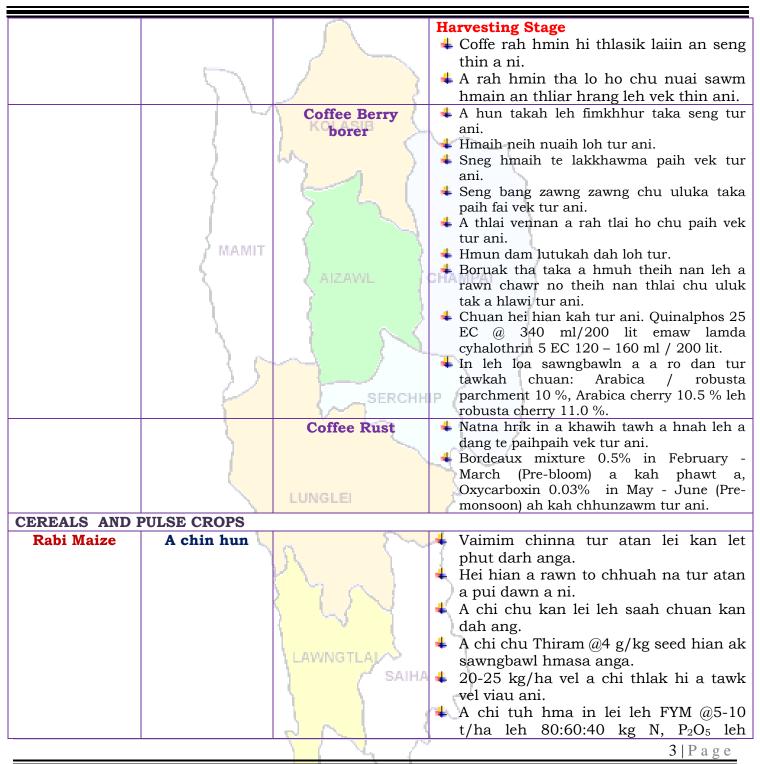


ICAR RESEARCH COMPLEX FOR NEH REGION

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

n District wise weather Forecas Guwahati)







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	AMAMIT	Reproductive Respiratory Syndrome (PRRS).	снамрај
	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		Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PAL X	6 P a g e



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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. **Ranikhet** Disease- an pian atanga ni 0-3 rd week **Preventive** 1-6 ah F1 vaccine pek tur ani a, chuan measures a puitlingh chuan R₂B vaccine pek tur ani. **4** B complex with antibodies 4th weeks **Coccidiosis**-Amprolium or coccidiostat MAMIT 4-5th Weeks 4 Calcium tonic fortified with B₁₂ SERCHHIP LUNGLEI LAWNGTLA SAIHA 7 | Page



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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuanzovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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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

Period: 01 March - 05 March, 2017

Bulletin N	<mark>o:</mark> - 67	/9/2016/	Bulletin	English
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Date of issue: 28th February, 2017

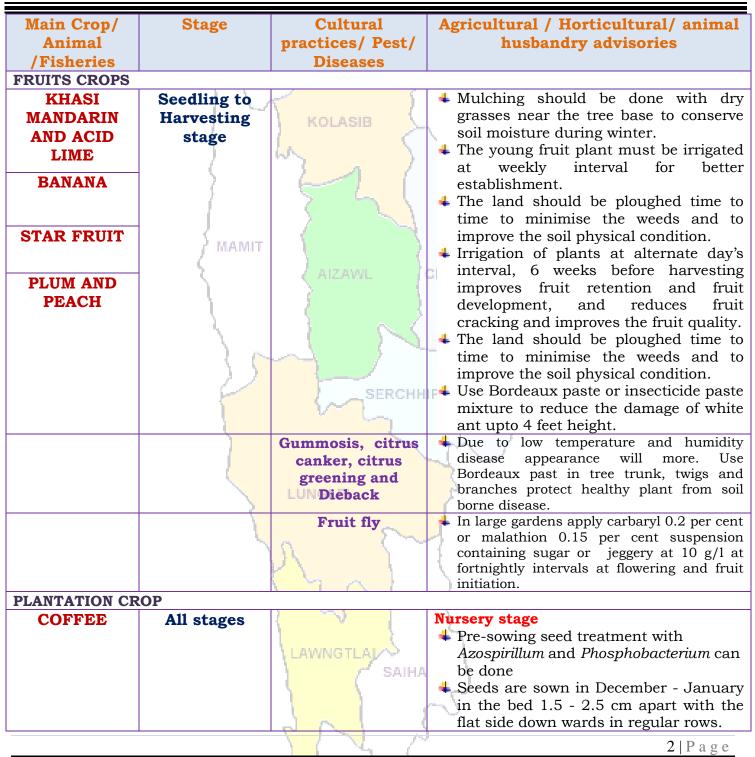
Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	25	26	26	26	25		
Min Temp (°C)	7	7	8	8	9		
Cloud Coverage	Mainly clear	Mainly clear	Partially clear	Clear sky	Clear sky		
Max RH (%)	90	89	91	68	73		
Min RH (%)	16	14	14	20	18		
Wind Speed (KmpH)	4	3	4	4	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
		Easterly- <mark>N-E</mark> , Eas	· · · · · ·	· · · · · · · · · · · · · · · · · · ·			
		Vesterly- <mark>S-W</mark> , We					
STATUS OF 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	Weather forec	ast valid from	01 st March, 20	17 To 05 th		
three day	-	March, 2017.					
Maximum Tem. (°C):		There is no chance of rainfall during the next 5 days. The					
Minimum Tem. (°C):1		maximum and n		0	2		
Maximum RH (%):85-		may range for					
Minimum RH (%):27-	400/	5 0					
Wind Direction: Sout	hoostor!	humidity is expe		0			
Cloud cover: Clear sk	· · · · · · · · · · · · · · · · · · ·	may from 14-20			•		
Wind speed: 2-4 km/	-	with the wind speed of 3-4 km per hour. Clear sky will					
wind speed. 2-4 kin/	1	prevail during th	e next five day	s.			
Rainfall: 00.0 mm							
		Weekl	u cumulative i	rainfall: 00.0 1	nm		
				····· · ······························			
NDVI for Mizoram		North East Region 02 Februar	w ²⁰¹⁷ Modonotoltr	wet mildly dr	wildler mot		
NDVI IOI MIZOIAIII		ST2		wet minuty ui	y/minuty wet		
			bare soil/ conditions				
			.4 5				
		0.4-0	.6 ^{Goo}				
		₩ = >0.7	} ven				
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Mani	n North- pur and				
		Arunachal Pradesh shows good vigour.					
			1		1 Page		
			f		IIIage		

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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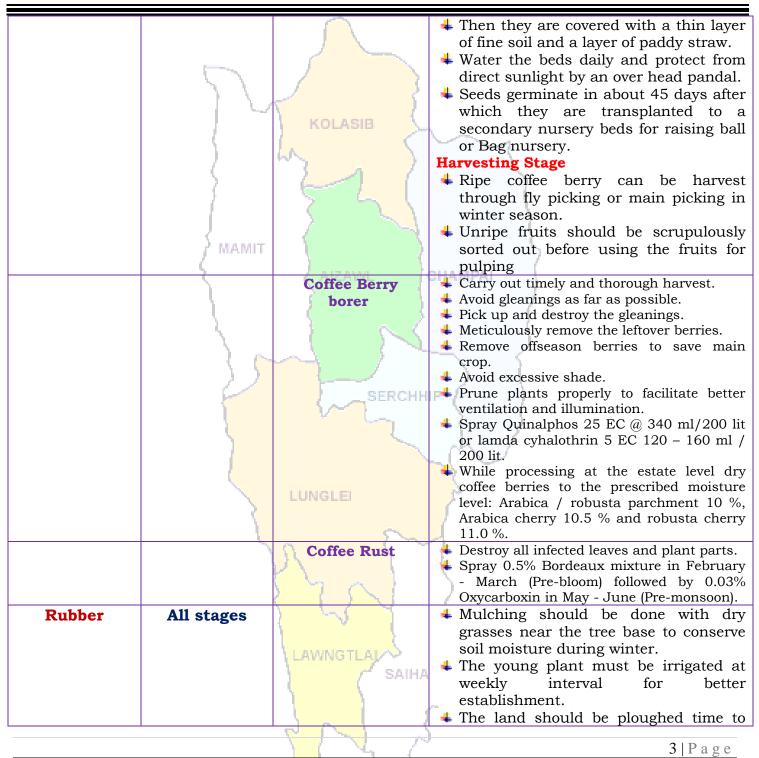






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		\sum	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
CEREALS AND F			
Rabi Maize	vegetative stage MAMIT	AIZAWL	 Light irrigation 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.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	 Light irrigation on every week may be given for better establishment and smooth growth. If flowering and pod formation going to paper approx 2% urga solution for better
		Pea rust	Soybean rust mainly occurred when T _{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. Management:
		LAWNGTLAI SAIHA Mustard sawfly	 Spray the crop with Dithane M-45 at the rate of 2 kg per hectare in 1000 liters of water. Two to three sprays at 10 days interval are sufficient. Due to high temperature during day time and high humidity results
		and cabbage	time and ingli indiniary febulto
			4 P a g e



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Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	 appearance of mustard sawfly and cabbage butterfly in mustard and toria. Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water. 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.
Tomato	Harvesting		Light irrigation on every alternate day
Tomato	stage	AIZAWL	 and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	+ Prevailing weather may conducive for
	5	SERCHH	The list is The second
		Powdery mildew	 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.
Farly Calo	Unmosting	LAWNGTLAL	I light invigation on avant alternate day
Early Cole crop	Harvesting stage	SAIHA	 Light irrigation on every alternate day may be given for better establishment and smooth growth. Mulching must be done after
		M N A	5 P a g e



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			irrigation.
			4 Harvest all the mature and
			immature cobs.
		Mustard sawfly	4 Due to high temperature during day
		and cabbage 🥤	time and high humidity results
		butterfly	appearance of mustard sawfly and
			cabbage butterfly in cole crops.
			4 Apply contact insecticide like Cyper25-
			Cypermethrin 25% EC or Deltamethrin
	>		25% EC @ 2ml per litre of water.
Onion and	Vegetative		4 One or two side dressings of nitrogen
capsicum	and fruiting		are applied during a season.
ouporoum	stare		4 These side dressings may be applied
	stage	1)	through the irrigation system.
	ζ		Light irrigation on every alternate day
		AIZAWL	may be given for better establishment
			and smooth growth.
		5	4 Mulching must be done after
			irrigation.
			Harvest all mature fruits in
			capsicum.
		Phytopthora HH	Seed treatment with thiram 3g/kg seed or
		blight	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	Pod		 Provide light irrigation with mulching.
Fichen bean	formation	LUNGLEI	Before irrigation weeding and thinning
			must be done for proper growth of the
	stage	5~~.	crop.
		A 1	Earthing up soil for better growth and
			weed free.
			\downarrow Apply 2% urea solution which gives
Connet and	Townsorthere		good growth and development.
Carrot and	Harvesting		Light irrigation on every alternate day
radish	stage	LAWNGTLAL	may be given for better establishment
		SAIHA	and smooth growth.
ANTRAL TITOPPA			4 Harvest all mature plants.
ANIMAL HUSBEN			
Pig	All stages		As the weather gets colder, your pigs
			6 D o o o
		1 4 6	6 P a g e

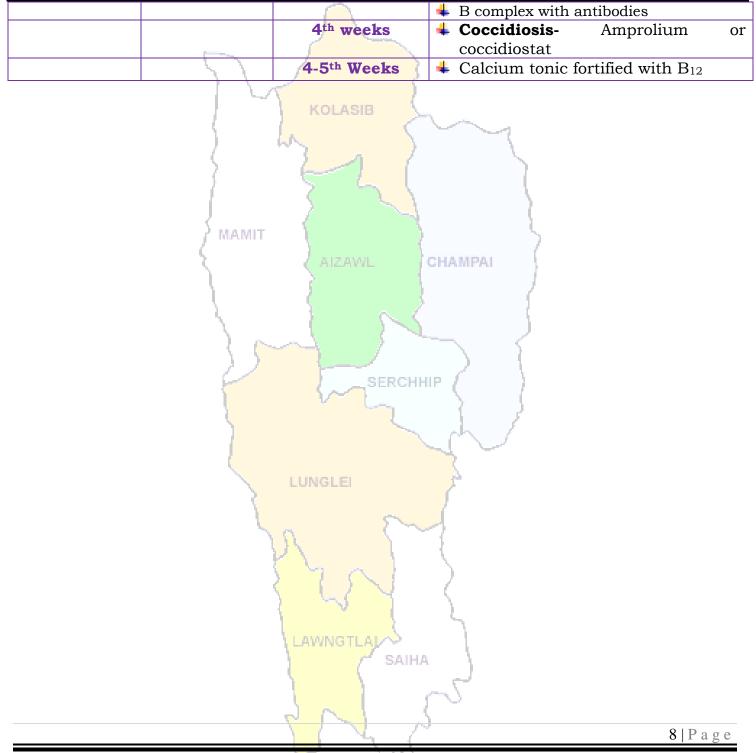


ICAR RESEARCH COMPLEX FOR NEH REGION



		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. 1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAM months and yearly interval/6 month interval
Cattle	All age group	L.N	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management		 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. 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 R ₂ B vaccine for adult birds.
		N N A	7 P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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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

Period: 01 March - 05 March, 2017

Bulletin	No: -	679	/201	6/	Bulle	tin/Mizo
				1		1

Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	25	26	26	26	25		
Min Temp (°C)	7	7	8	8	9		
Cloud Coverage	Mainly clear	Mainly clear	Partially clear	Clear sky	Clear sky		
Max RH (%)	90	89	91	68	73		
Min RH (%)	16	14	14	20	18		
Wind Speed (KmpH)	4	3	4	4	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
Souther	rly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.			
STATUS OF MONSO							
Aizawl- 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		nm Serchhij	-411.72mm		
(453.1mm)	_	(465.14mm)	(442.80r	nm)	(259.62mm)		
Weather summary	of the past	01 st March-	05 th March.	2017 chhun	ga sik leh		
three day	· · · · · · · · · · · · · · · · · · ·	01 st March– 05 th March, 2017 chhunga sik leh sa dinhmun tur tlangpui					
					• .1 • 11		
Maximum Tem. (°C): Minimum Tem. (°C):1		Tun ni 3 chhur	0				
Maximum RH (%):85-		tura beisei a ni.			0		
Minimum RH (%):27-4	100/	vawh lai ber in '					
Wind Direction: Sout	hoostorla	68-91% leh a hniam lai berin 14-20% ni tur a rin niin. Thli					
Cloud cover: Clear sk		hi darkar khat					
Wind speed: 2-4 km/	· ·	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
wind speed. 2-4 km/		hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekl	y cumulative	rainfall: 00.0r	nm		
			.	.			
NDVI for Mizoram		North East Region 02 Februar	y 2017 Moderately	wet mildly dr	v/mildly_wet		
			conditions	wet minary ar	y filling wet		
			bare soll / backgrour				
		0.3-0	- L moi				
			.6 J Ven				
		Agriculture vigour is moderate over most of the parts in Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.					
			N		110		
			(1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	1
KHASI	A kui atanga	-	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID			velah dahkhawm tur ani.
LIME		LA V	4 Thlai naupang deuah chuan chawlh
	(3 1 /	kar tin a tui pek thin tur ani.
BANANA	- 7		4 Leia tha mamawh tawk a hmuh
	() () () () () () () () () ()		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
	/ mediant		taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL	leh a rah than that nan te leh a rah
-	1		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
		greening and Dieback	a trangah te hnawih tur ani.
		Fruit flyERCHH	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	5 C		
COFFEE	All stages		Nursery stage
	\\	~	+ Thlai chi thlak hma in Azospirillum leh
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a ?~~	Phosphobacterium a enkawl tur ani.
			🖊 A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			4 Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
)
			2 P a g e

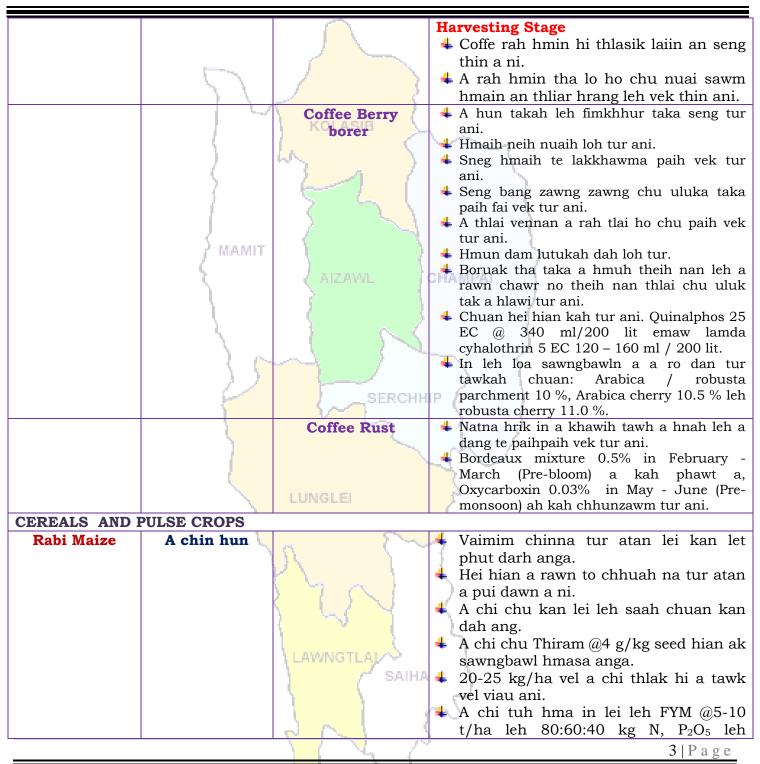


ICAR RESEARCH COMPLEX FOR NEH REGION

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

on District wise weather Forecas Guwahati)







ICAR RESEARCH COMPLEX FOR NEH REGION



Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellowAll stageZero tillageA than a that thein nan nikhat danah tui pek thin tur ani.PotatoSowing stageA than a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.VEGETABLE CROPBlack spot cropBlack spot diseaseA than a that thein nan nikhat danah tui pek thin tur ani.Early Cole cropBlack spot diseaseA than a that thein nan nikhat danah tui pek thin tur ani.A chi thiak hma in a chi chuan sik leh sa hi nation a that thein nan nikhat danah tui pek thin tur ani.A chi thiak hma in a chi chuan sik leh sa hi nation a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.A than a that thein nan nikhat danah tui pek thin tur ani.A than a na that thein nan nikhat danah tui pek thin tur ani.A than a na that thein nan nikhat danah tui pek thin tur ani.A than a nat the thein nan nikhat danah tui pek thin tur ani.A than a nat hat hein nan nikhat danah tui pek thin tur ani.A than a nat hat hein nan nikhat danah tui pek thin tur ani.A than a nat hat hein hana nikhat danah tur ani.A than a hat hili dum rawn zwwn hawm him tui pek zwwhad dah tur ani. <tr< th=""><th>ICAR</th><th></th><th></th><th></th></tr<>	ICAR			
lentil toria, breen gram and black gram cultivation in rice fellow tuì pek thin tur ani. Potato Sowing stage Potato Sowing stage VEGETABLE CROP Tomato Bacterial Blight disease Blight disease Tomato bikah chuan sik leh sa hin natna an kain duag lawn ber ani . Early Cole crop Black spot disease Early Cole crop Black spot disease		2		
Potato Sowing stage Potato Sowing stage 4 Muangchang loving alu chin na tur chu buatsaih vat tur ani. 4 Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. 4 Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. 4 A chi thlak hma in a chi chu en fiah hmasak tur ani. 4 A chi thlak hma in a chi chu en fiah hmasak tur ani. 5 A chi thlak hma in a chi chu en fiah hmasak tur ani. 7 Muangchang loving alu chin na tur chu buatsaih vat tur ani. 8 SERCHH 4 A chi thlak hma in a chi chu en fiah hmasak tur ani. 9 SERCHH 4 A than a that theih nan nikhat danah tui pek thin tur ani. 9 Tomato 8 Black spot disease 10 Black spot disease 11 A than a that theih nan nikhat danah tur ani. 12 Ya than a that theih nan nikhat danah tur ani. 13 A than a that theih nan nikhat danah tur ani. 14 A than a that theih nan nikhat danah tui pek thin tur ani. 14 A than a that theih nan nikhat danah tur ani. 14 A than a that theih nan nikhat danah tui pek zawhah dah tur ani. <th>lentil toria, breen gram and black gram cultivation in</th> <th></th> <th>Zero tillage</th> <th> 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 </th>	lentil toria, breen gram and black gram cultivation in		Zero tillage	 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
TomatoBacterial Blight diseaseBlight diseaseLUNGLELUNGLEHmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.Early Cole cropBlack spot diseaseLUNGLEA than a that theih nan nikhat danah tui pek thin tur ani.Farly Cole cropBlack spot diseaseCole cropBlack spot diseaseLUNGLEA than a that theih nan nikhat danah tui pek thin tur ani.Cole (a) 2 gm hi tui liter 1 ah pawlh a kah 	Potato	Sowing stage	L N	 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
crop disease LAWNGTLAN tui pek thin tur ani. LAWNGTLAN Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. SAIHA Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn		Bacterial		 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
	•			 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
				4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



ICAR			
	2	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.
		AIZAWL	 Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha CHA hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
·	1	201	
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani. Vawknote emaw vawk lak hran.
	AMAMIT	Reproductive Respiratory Syndrome (PRRS).	снамраі
	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		Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		PN X	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	\sim	4	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur
		4	ani. Chaw a hmuan/thing pair lab tun ani a
	1 3	-	Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur
	$\langle \rangle$		ani.
 Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
measures		\sim	1-6 ah F1 vaccine pek tur ani a, chuan
	m)		a puitlingh chuan R ₂ B vaccine pek tur
2			ani.
			B complex with antibodies
	4 th weeks	+	
A MAMIT		-	coccidiostat
	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
	LUNGLEI		
)—	710
			7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuanzovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	Kpchy@rediffmail.com kvkaizawl@rediffmail.com	9436351669



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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: 01 March - 05 March, 2017

Bulletin	No: -	679/	2016/	Bulle	tin/English
			- K		1

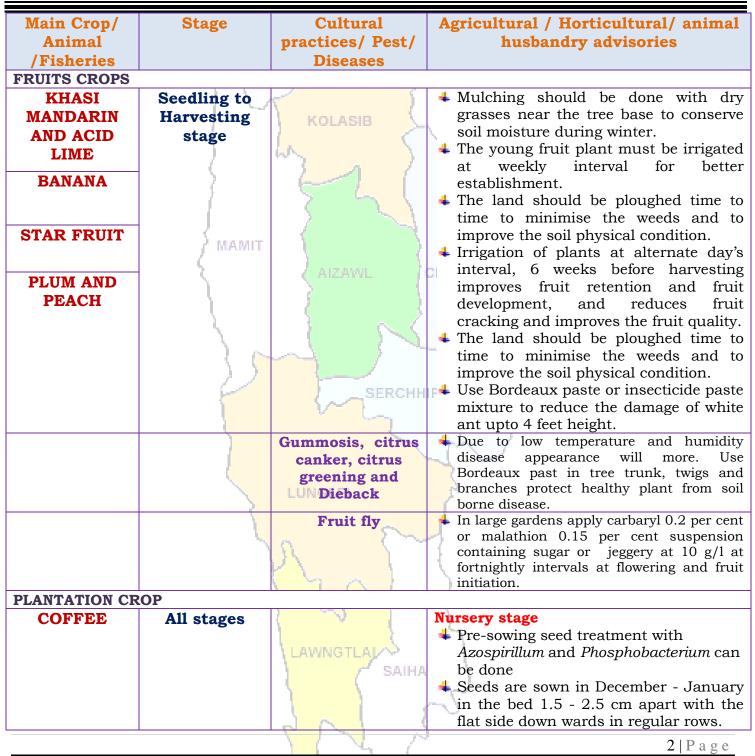
Date of issue: 28th February, 2017

Parameters	01.03.2017		03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	12	12	12	13	13	
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky	
Max RH (%)	90	92	84	57	59	
Min RH (%)	17	15	14	17	16	
Wind Speed (KmpH)	4	5	6	4	4	
*Wind Direction	S-E	S-E	S-E	S	S	
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E. South	-Easterly- S-E.		
		Westerly- <mark>S-W</mark> , We				
STATUS OF MONSO						
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm	
(430.2mm)	· · · · · · · · · · · · · · · · · · ·	(359.89mm)	(507.7r		(428.1mm)	
Lawngtlai-291.20mm	Lunglei	· •		nm Serchhij	-411.72mm	
(453.1mm)		(465.14mm)	(442.80r		(259.62mm)	
Weather summary	of the past	Weather forec	*	01 st March, 20	017 To 05 th	
three day	· · · · · · · · · · · · · · · · · · ·		March,			
Maximum Tem. (°C):2		There is no chance of rainfall during the next 5 days. The				
Minimum Tem. (°C):9		maximum and minimum temperatures for the next 5 days				
Maximum RH (%):65-		maximum and minimum temperatures for the next 3 days may range for 25-27°C and 12-13°C. Maximum relative				
Minimum RH (%):24-3		humidity is expected in the range of 57-92% and minimum				
Wind Direction: Sout				0		
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·	may from 14-17%. Wind direction would be southeasterly				
Wind Speed: 4 km/hr		to southerly with the wind speed of 4-6 km per hour. Clear				
·····		sky will prevail during the next five days.				
Rainfall: 00.0 mm						
		Weekl	y cumulative i	rainfall: 00.0 1	nm	
NDVI for Mizoram		North East Region 02 Februa	^{ry 2017} Moderately	wet mildly dr	v/mildlv wet	
		- 33	conditions		575	
		<0.2 0.2-1	bare soil / backgrour			
		0.3-1	0.5 L Gor			
		0.5	0.6 J 0.7]- Ven			
		Agriculture vigour is moderate over most of the parts	in North-			
		Eastern states, whereas few patches in Assam, Mar Arunachal Pradesh shows good vigour.	ipur and			
			2			
		N N	["		1 Page	



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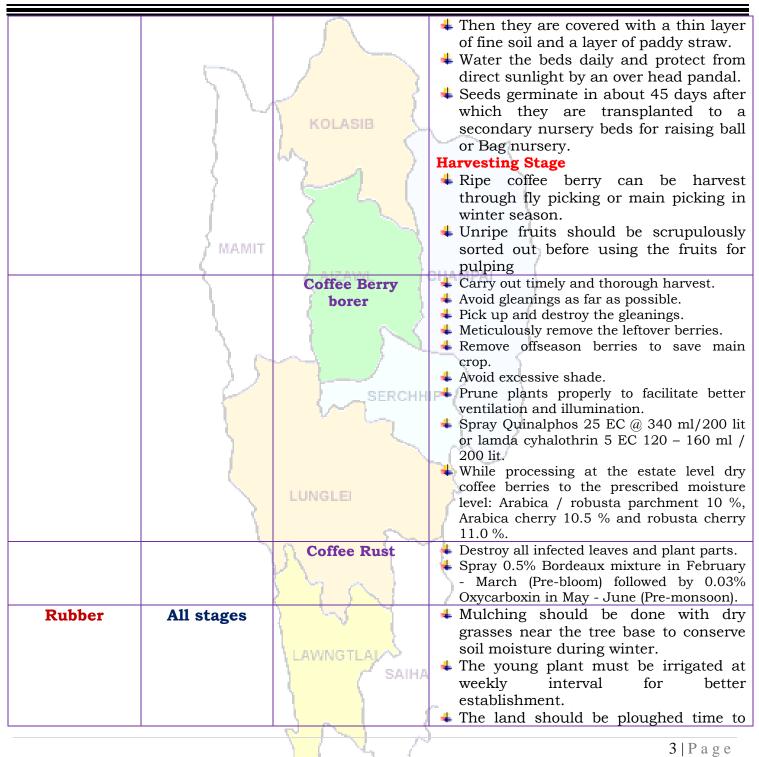






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		\sum	 time to minimise the weeds and to improve the soil physical condition. Use Bordeaux paste or insecticide paste mixture to reduce the damage of white ant upto 4 feet height.
CEREALS AND P	vegetative stage	AIZAWL	 Light irrigation on every week 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.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	 Light irrigation on every week may be given for better establishment and smooth growth. If flowering and pod formation going to paper approx 2% urga solution for better
		Pea rust	 Soybean rust mainly occurred when T_{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. Management: Spray the crop with Dithane M-45 at
		LAWNGTLAI SAIHA Mustard sawfly and cabbage	 the rate of 2 kg per hectare in 1000 liters of water. Two to three sprays at 10 days interval are sufficient. Due to high temperature during day time and high humidity results 4 Page



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Potato	Vegetative growth stage	KOLASIB	 appearance of mustard sawfly and cabbage butterfly in mustard and toria. Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water. 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	OP		
Tomato	Harvesting stage	AIZAWL	 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.
	P	Bacterial wilt SERCHH	Prevailing weather may conducive for blight in Tomata
		Powdery mildew	 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/hactore. Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.
Early Cole crop	Harvesting stage	Saiha	I light invigation on arrange alternate day
			5 P a g e



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			irrigation.
			4 Harvest all the mature and
			immature cobs.
		70 1 1 0	
	1	Mustard sawfly	4 Due to high temperature during day
		🚽 and cabbage 🥤	time and high humidity results
		butterfly	appearance of mustard sawfly and
			cabbage butterfly in cole crops.
			4 Apply contact insecticide like Cyper25-
		~ ~ /	Cypermethrin 25% EC or Deltamethrin
	\rightarrow		25% EC @ 2ml per litre of water.
Onion and	Vegetative	2 5 6	4 One or two side dressings of nitrogen
capsicum	and fruiting		are applied during a season.
capsicum	and multing		4 These side dressings may be applied
	stage		through the irrigation system.
	(1	Light irrigation on every alternate day
		AIZAWL	may be given for better establishment
	l l		and smooth growth.
		6 3	<u> </u>
			4 Mulching must be done after
			irrigation.
			🔰 Harvest all mature fruits in
))		capsicum.
	5	Phytopthora HH	▶ Seed treatment with thiram 3g/kg seed or
		blight	Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
	1		+ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ It of water
French bean	Ded		at 10-15 DAS are effective.
French bean	Pod	LUNGLEI	+ Provide light irrigation with mulching.
	formation		Before irrigation weeding and thinning
	stage	~	must be done for proper growth of the
	1		crop.
			Earthing up soil for better growth and
			weed free.
			+ Apply 2% urea solution which gives
			good growth and development.
Carrot and	Harvesting		Light irrigation on every alternate day
radish	stage		may be given for better establishment
		SAIHA	and smooth growth.
		(SAIHA	👃 Harvest all mature plants.
ANIMAL HUSBEN	IDARY		R
Pig	All stages		↓ As the weather gets colder, your pigs'
)
			6 P a g e

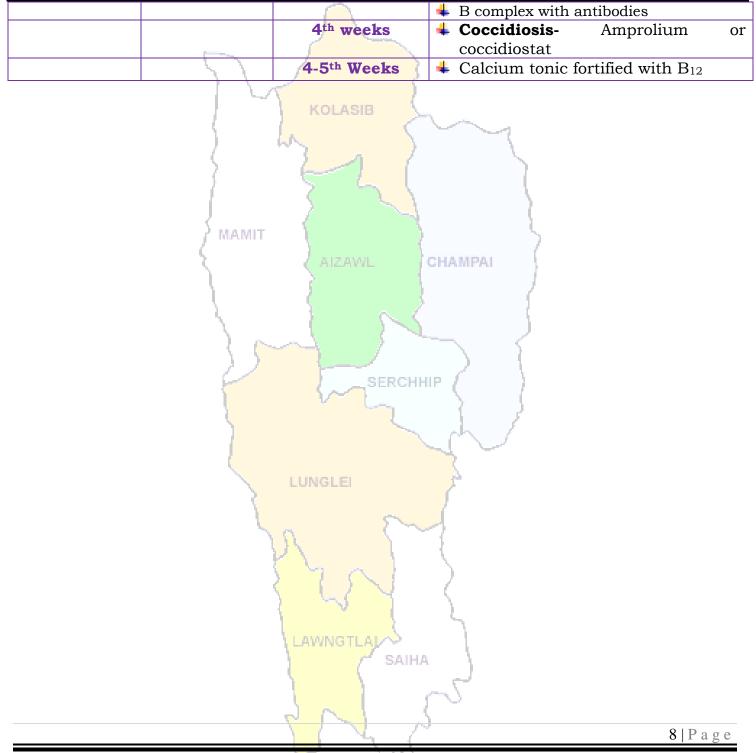


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		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHAM months and yearly interval/6 month interval
Cattle	All age group	X	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management		 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. 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 R ₂ B vaccine for adult birds.
		N N A	7 P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head <mark>& Sr. Scientist</mark>	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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Guwahati)



District: Champhai

Period: 01 March - 05 March, 2017

Bulletin No: -	679/2016	/ Bulletin	/Mizo
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Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	26	27	27	25
Min Temp (°C)	12	12	12	13	13
Cloud Coverage	Mainly clear	Mainly clear	Clear sky	Clear sky	Clear sky
Max RH (%)	90	92	84	57	59
Min RH (%)	17	15	14	17	16
Wind Speed (KmpH)	4	5	6	4	4
*Wind Direction	S-E	S-E	S-E	S	S
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-V	Vesterly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
STATUS OF MONSO	OON- June 1-3	0, 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)	(507.7n	•	(428.1mm)
Lawngtlai-291.20mm			<mark>Mamit-204.87</mark> n	-	-411.72mm
(453.1mm)		(465.14mm)	(442.80n		(259.62mm)
Weather summary of	•	01 st March-	05 th March,	2017 chhun	ga sik leh
three day	s		dinhmun t		
Maximum Tem. (°C):2 Minimum Tem. (°C):9 Maximum RH (%):65- Minimum RH (%):24-3 Wind Direction: Sout Cloud cover: Mainly o Wind Speed: 4 km/hr Rainfall: 00.0 mm	-12°C 98% 38% heasterly clear	Tun ni 5 chhun tura beisei a ni. 1 vawh lai ber in berin 57-92% le niin. Thli hi dar awi zawngin a the hian khawthiang Weekl	Khua a lum lai 12-13ºC ni tu h a hniam lai kar khatah 4-6 ch rin a ni. A tl tak hmuh beis	berin 25-27ºC ura beisei a ni berin 14-17% 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 Formar 04 - 04 - 04 04 - 04 - 04 - 04 - 04 04 - 04 - 04 - 04 - 04 - 04 - 04 - 04 -	Arre stall, a] Mos b] Geo 7] Ver North-	wet mildly dr	
			C		1 Page

Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	1
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8		velah dahkhawm tur ani.
LIME)	Le V	4 Thlai naupang deuah chuan chawlh
	(3 1 1	kar tin a tui pek thin tur ani.
BANANA			4 Leia tha mamawh tawk a hmuh
	() () () () () () () () () ()		theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	A MAMIT		4 A seng hma kar 6 chhung chu tui tha
	/	- X (taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL	c leh a rah than that nan te leh a rah
	1		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
		Dieback	a trangah te hnawih tur ani.
		Fruit flyERCHH	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			
COFFEE	All stages	Same State 1 (10) State State 1	Nursery stage
	\\	~	+ Thlai chi thlak hma in Azospirillum leh
		a (~~	Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
) 5 7	Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
			Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur
		- SAIHA	
			4 Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.
			Jag an an sawn chindak ich thin alli.
			2 P a g e

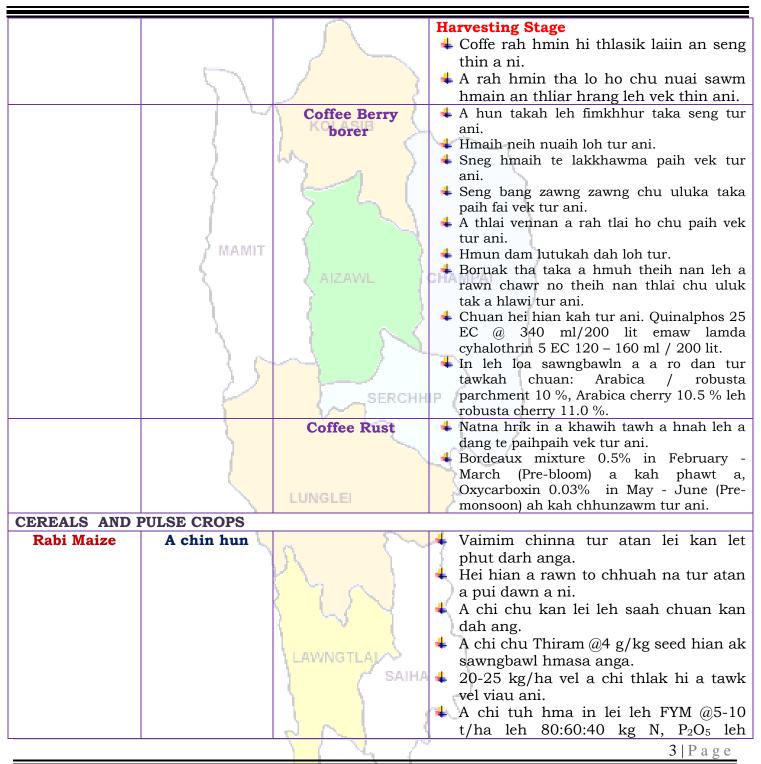


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on District wise weather Forecas Guwahati)







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Soybean, pea, lentil toria, breen gram cultivation in rice fellowAll stageZero tillageK2O/ha pawlh chu hman phawt tu ni. Nitrogen dose chanve chu a chi ti hunlaia hman tur a ni a, tichuar bang 25% chu thla khat hnu ah ang a adang leh 25% chu a par hur hman tur a ni.Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellowAll stageZero tillagePotatoSowing stage4A than a that theih nan nikhat dar tu pek thin tur ani.Hei hian a that hur ani.4Hei hian a that hur ani.4Lei leh hmain a than hur laiin natna hrii lakah a veng dawn ani.Lei leh hmain a hmun hma chu
lentil toria, tui pek thin tur ani. breen gram Lei rih vur hian thlai kung te a veng ani. and black Thlasik lai a lei khoro lutuk tur venan a chungah hnim leh thildar khuh tur ani. cultivation in rice fellow Muangchang loving alu chin na chu buatsaih vat tur ani. Potato Sowing stage Image: Sowing stage Image: Sowing stage
Potato Sowing stage Image: Algorithm of the stage Image: Multiple stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stage Image: Algorithm of the stag
 Let let hen findalt a findalt nind chu taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fi hmasak tur ani. A than a that theih nan nikhat dan tui pek thin tur ani.
Tomato Bacterial Blight disease Tomato bikah chuan sik leh sa natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lut hmunah chuan natna an kai hma ani. Hmun hnawng leh ni hmu lo lut hmunah chuan natna an kai hma ani. Tomato bikah chuan sik leh sa natna an kaina tlang lawn ber ani . Bacterial Blight disease Hmun hnawng leh ni hmu lo lut hmunah chuan natna an kai hma ani. Tomato hi a uai a, a thih mai loh n Ridomil emaw Indofil emaw Mancoz @ 2 gm hi tui liter 1 ah pawlh a k tur ani .
Early Cole crop Black spot disease A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY A than a that theih nan nikhat dan tui pek thin tur ani. AWNGTLAY SAIHA
4 P a g



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ICAR			
	2	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.
	AMAMIT	AIZAWL	 Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha CHA hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
·	1	201	
			5 P a g e



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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
		Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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.
		TA -	6 P a g e



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 Tui an in tur chhawpna tur tha tha tak leh tui thianghlim tak pel ani. Chaw a hmuar/thing pek loh tur a an chaw eitur thlak sak thut loh ani. Preventive O-3 rd week Ranikhet Disease- an pian atang 	
Chaw a hmuar/thing pek loh tur a an chaw eitur thlak sak thut loh ani.	
an chaw eitur thlak sak thut lok ani.	
ani.	
	i tui
	ga ni
measures 1-6 ah F1 vaccine pek tur ani a, cl	
a puitlingh chuan R ₂ B vaccine pel	
ani.	
B complex with antibodies	
4 th weeks 4 th Coccidiosis- Amprolium	or
Coloium topic fortified with Pro	
MAMII 4-5th Weeks 4 Calcium tonic fortified with B ₁₂ AIZAWL CHAMPAI	
SERCHHIP	
LAWNGTLAL	
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)



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	i.	Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAL

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Period: 01 March - 05 March, 2017

Bulletin	No: - 679	/2016/	Bulletir	n/English
		- K	1	7

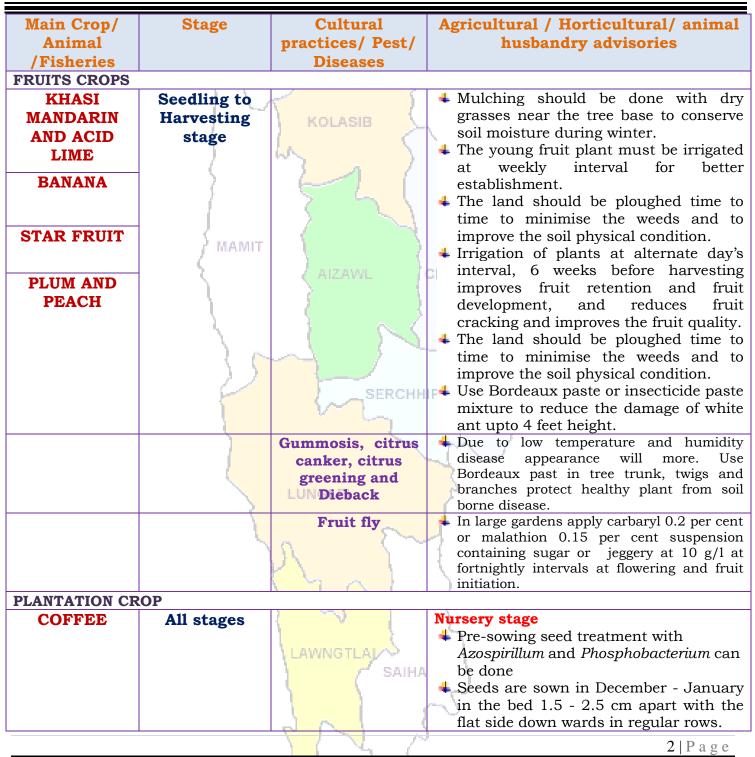
Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	26	27	27	25	
Min Temp (°C)	12	12	13	13	14	
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Clear sky	Clear sky	
Max RH (%)	90	85	87	72	75	
Min RH (%)	18	16	15	21	19	
Wind Speed (KmpH)	4	4	4	3	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-I	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,	•	
Souther	ly- <mark>S</mark> , South-W	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	nm)	(428.1mm)	
Lawngtlai-291.20mm	Lunglei-	326.00mm	Mamit-204.87n	nm Serchhij	-411.72mm	
(453.1mm)	_ (465.14mm)	(442.80r	nm)	(259.62mm)	
Weather summary	of the past	Weather forec	ast valid from	01 st March, 20)17 To 05 th	
three day			March, 2	2017.		
Maximum Tem. (°C):		There is no chai			5 days. The	
Minimum Tem. (°C):1		maximum and minimum temperatures for the next 5 days				
Maximum RH (%):49-	[]	maximum and minimum temperatures for the next 5 days may range for 25-27°C and 12-14°C. Maximum relative				
Minimum RH (%):29-3		humidity is expected in the range of 72-90% and minimum				
Wind Direction: south	hoostor!					
Cloud cover: Mainly o		may from 15-21%. Wind direction would be southeasterly with the wind speed of 3-4 km per hour. Clear sky will				
Wind speed: 4 km/h	r				lear sky will	
-	1	prevail during th	ie next five day	s.		
Rainfall: 00.0 mm						
		Weekl	y cumulative i	r ainfall: 00.0 1	mm	
NDVI for Mizoram		North East Region 02 Februa	Moderately	wet mildly dr	y/mildly wet	
		-	conditions	-		
			0.3] Mol			
		0.3-0	0.5 L Gor			
		0.6-0				
		Agriculture vigour is moderate over most of the parts i	in North-			
		Eastern states, whereas few patches in Assam, Man Arunachal Pradesh shows good vigour.	ipur and			
			~ <u>`</u>		4.1.0	
			(1 P a g e	



ICAR RESEARCH COMPLEX FOR NEH REGION

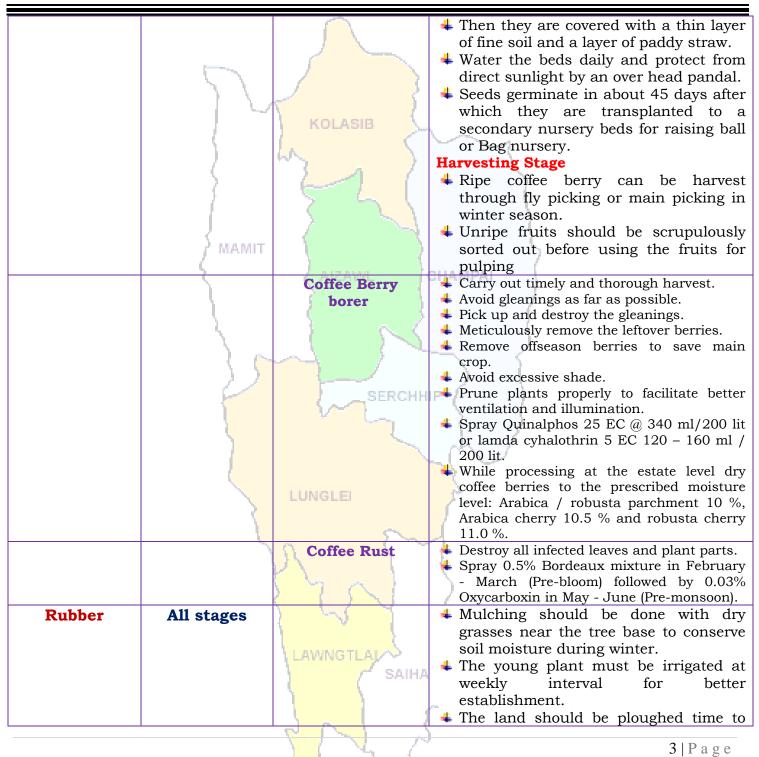






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ICAR RESEARCH COMPLEX FOR NEH REGION



	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 F	PULSE CROPS		
Rabi Maize	vegetative stage MAMIT	AIZAWL	 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.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage SERCHH	 Light irrigation on every week may be given for better establishment and smooth growth. If flowering and pod formation going to pagur approx 2% urga solution for better
		Pea rust	 Soybean rust mainly occurred when T_{max} rise to (23-27)°C. Mainly after 60-70 days after sowing. Early symptoms develop on abaxial side of older leaves and form round to oval aecidia. Initially aecidia form creamy white to light yellow to bright orange colored pustules on the leaf and stem. Management:
		LAWNGTLAL SAIHA Mustard sawfly and cabbage	 Spray the crop with Dithane M-45 at the rate of 2 kg per hectare in 1000 liters of water. Two to three sprays at 10 days interval
			4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato VEGETABLE CRO	Vegetative growth stage	KOLASIB	 appearance of mustard sawfly and cabbage butterfly in mustard and toria. Apply contact insecticide like Cyper25-Cypermethrin 25% EC or Deltamethrin 25% EC @ 2ml per litre of water. 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.
			•••••••••••••••••••••••••••••••••••••
Tomato	Harvesting stage	AIZAWL	 Light irrigation on every alternate day may be given for better establishment and smooth growth. If irrigation is not available keep grass and dry leaves as mulch. Harvest all the mature which colour change to pale yellow to red.
		Bacterial wilt	+ Prevailing weather may conducive for
		SERCHH	The list is The second
		Powdery mildew	 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/hactore. Apply in morning or evening, because sulfur can burn tomato plants in the direct sunlight.
Early Cole crop	Harvesting stage	SAIHA	Light irrigation on every alternate day may be given for better establishment
•	6		And smooth growth. Mulching must be done after
)
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



			ation.
		Har	vest all the mature and
			ature cobs.
		Mustard sawfly 4 Due	to high temperature during day
		and cabbage time	and high humidity results
		butterfly appea	arance of mustard sawfly and
		cabba	age butterfly in cole crops.
		📕 🗸 Apply	contact insecticide like Cyper25-
		Суре	rmethrin 25% EC or Deltamethrin
	2	25%	EC @ 2ml per litre of water.
Onion and	Vegetative	🔰 🦳 👆 One	or two side dressings of nitrogen
capsicum	and fruiting	are a	applied during a season.
	stage	These tests and the second sec	se side dressings may be applied
	J ^e MAMIT	thro	ugh the irrigation system.
		AIZAWL	t irrigation on every alternate day
		may	be given for better establishment
)		smooth growth.
	2		ching must be done after
			ation.
	1 1 1		vest all mature fruits in
			sicum.
	5		treatment with thiram 3g/kg seed or
			noderma viride 4g+ metalaxyl 4g
		(Apro	on)/ kg seed
			ching 1% Bordeaux mixture or 2 g an or 3 copper oxychloride/ lt of water
			-15 DAS are effective.
French bean	Pod		de light irrigation with mulching.
	formation		e irrigation weeding and thinning
	stage		be done for proper growth of the
	Jenge (crop.	
		📕 📕 Earth	ning up soil for better growth and
		weed	free.
		Apply Apply	7 2% urea solution which gives
			growth and development.
Carrot and	Harvesting		t irrigation on every alternate day
radish	stage		be given for better establishment
	-	and	smooth growth.
		A Harv	est all mature plants.
ANIMAL HUSBEN			
Pig	All stages	As th	ne weather gets colder, your pigs'
		1 1 1	6 P a g e

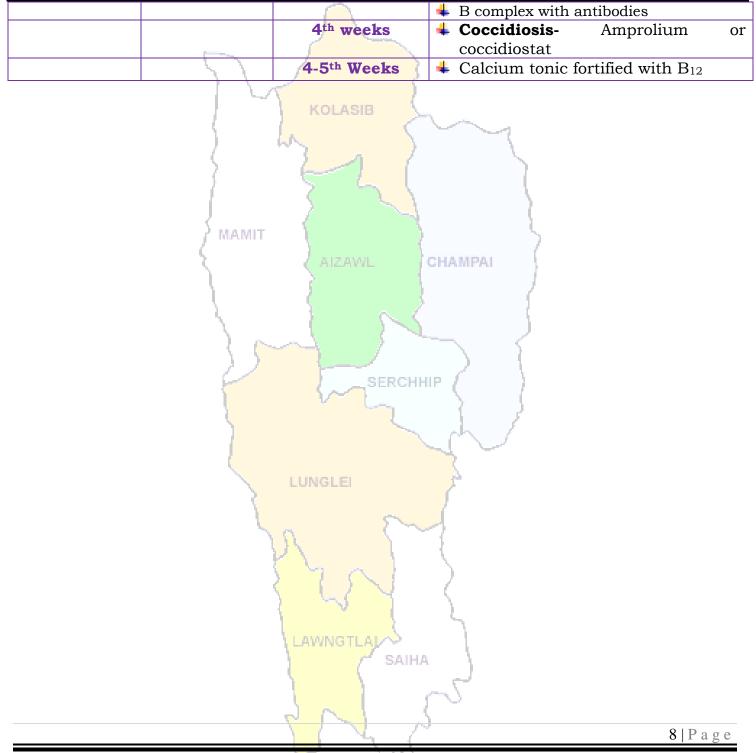


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		KOLASIB Porcine Reproductive Respiratory Syndrome (PRRS).	 energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. 1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 CHA months and yearly interval/6 month interval
Cattle	All age group	L.R	• 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 treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Primary vaccination 6 month or above Revaccination annually
Poultry	Litter management		 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. 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 R ₂ B vaccine for adult birds.
		N N N	7 P a g e





Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	Dr. Lalmuan zovi SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	kvkserchhip@gmail.com	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	<u>kvklawntlai@gmail.com</u>	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Period: 01 March - 05 March, 2017

Bulletin No: -	679/20	16/ Bulle	tin/Mizo
	-	5	1

Date of issue: 28th February, 2017

Parameters	01.03.2017	02.03.2017	03.03.2017	04.03.2017	05.03.2017		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	26	27	27	25		
Min Temp (°C)	12	12	13	13	14		
Cloud Coverage	Mainly clear	Mainly clear	Mainly clear	Clear sky	Clear sky		
Max RH (%)	90	85	87	72	75		
Min RH (%)	18	16	15	21	19		
Wind Speed (KmpH)	4	4	4	3	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
	-	Easterly- N-E, East					
		Vesterly- <mark>S-W</mark> , We	• •	•			
STATUS OF MONSO							
Aizawl- 384.87mm			Saiha- 307.40 n		236.00mm		
(430.2mm)	-	(359.89mm)	(507.7r		(428.1mm)		
Lawngtlai-291.20mm	Lunglei-	326.00mm		nm Serchhij	-411.72mm		
(453.1mm)		465.14mm)	(442.80r	nm) -	(259.62mm)		
Weather summary	of the past	01 st March-	05 th March.	2017 chhun	ga sik leh		
three day	· · · · · · · · · · · · · · · · · · ·		dinhmun t				
Maximum Tem. (°C):					-: +1:-1-1-		
Minimum Tem. (°C): 1		Tun ni 5 chhur	0				
Maximum RH (%):49-		tura beisei a ni.			0		
Minimum RH (%):29-3	070/	vawh lai ber in 12-14°C ni tura beisei a ni. RH san lai berin 72-90% leh a hniam lai berin 15-21% ni tur a rin					
Wind Direction: south							
Cloud cover: Mainly o		niin. Thli hi dar					
Wind speed: 4 km/h	P 4	awi zawngin a tle			i nga chhung		
		hian khawthiang	g tak hmuh bei	sei a ni.			
Rainfall: 00.0 mm							
		Weekl	y cumulative	<mark>rainfall:</mark> 00.0r	nm		
NDVI for Mizoram		North East Region 02 Februar	y2017 Moderately	wet mildly dr	v/mildly wet		
		- 33	conditions	J	57 5		
			3] Moi				
		0.3-0	5 1 600				
		0.5-0					
		Agriculture vigour is moderate over most of the parts in	n North-				
		Eastern states, whereas few patches in Assam, Mani Arunachal Pradesh shows good vigour.	pur and				
			N		1 Page		



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Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID			velah dahkhawm tur ani.
LIME		LA V	4 Thlai naupang deuah chuan chawlh
	(3 1 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	(2 5 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	10050011		taka pek hian a rah tla tur chelh nan
PLUM AND	2	AIZAWL	leh a rah than that nan te leh a rah
PEOM AND PEACH			keh tur lakah t a veng thei ani.
РЕАСП		0	Tomosture being lutule lab become uses
		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
		Dieback	a trangah te hnawih tur ani.
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
		FILL USERCHH	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			
COFFEE	All stages		Nursery stage
	1	~	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
			Phosphobacterium a enkawl tur ani.
			A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
			Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
			nan niin a chhun loh nan zar hliah tur
		SAIHA	ani.
			$\stackrel{\text{ann.}}{\clubsuit}$ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	l	2210	
			2 P a g e
			2 1 4 8 5

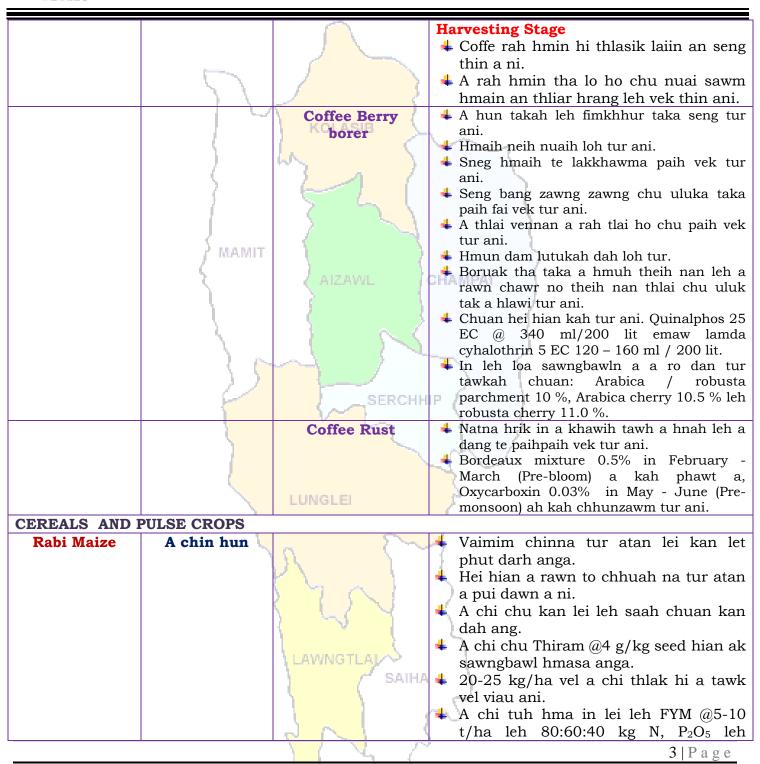


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Mizoram Centre, Kolasib- 796081, MIZORAM (Prepared based on District wise Weather Forecast received from IMD,

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ICAR			
	2		K_2O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato VEGETABLE CR	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAL	 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
			4 P a g e
			1 4 6 0



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Onion and capsicumNursery stagePoly house+ Thlai hna lam chi leh zikhlum lam capsicumOnion and capsicumNursery stagePoly house- A than a that theil nan nikhat danah tur ani.MAMITAthan a that theil nan nikhat danah tur ani A than a that theil nan nikhat danah tur ani.MAMITAthan a that heil nan thiram 3g/kg seed excended a ui liter 1 hi 10-15 DAS a pek hi a tha hel ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLWNGTLATA than a that thein nan nikhat danah tui pek hin ur ani.Mamit radishSowing stageCarrot and radishSowing stageCarrot and ra	ICAR			
capsicum Image: Capsicum Image: Capsicum Image: Capsicum Image: Capsicum Sowing stage Image: Capsicum Image: Capsicum Image: Capsicum Carrot and radish Sowing stage Image: Carrot and radish Image: Carrot and radish Sowing stage Image: Carrot and radish Carrot and radish Sowing stage Image: Carrot and radish Image: Carrot and radish Image: Carrot and radish Sowing stage Image: Carrot and radish Image: Carrot and r		2	KOLASIB	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Carrot and radish Sowing stage French bean Sowing stage French bean Sowing stage French bean Sowing stage French bean French bean Sowing stage French bean French bean French bean Sowing stage French bean French bean French bean French bean Sowing stage French bean Frea French bean Frea				 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
French beanSowing stageTui pek hia tha hle ani.French beanSowing stageTui pek hinhnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than duna theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek hin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah 			Phytopthora	 CHA hle ani. 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
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. 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	SERCHI	oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani. Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma
		Sowing stage	LAWINGTLAL	 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 nan Mancozeb @ 2gm ah tui leter 1
		1	AN X)



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	\frown	tha tak leh	tur chhawpna tur tha / tui thianghlim tak pek	
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	1 3		uar/thing pek loh tur ar itur thlak sak thut loh	
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Preventive	0-3 rd week		Disease- an pian atanga	a ni
measures		1-6 ah F1 v	vaccine pek tur ani a, ch	nuan
	~~~ )	a puitlingh	chuan R ₂ B vaccine pek	tur
7		ani.		
			with antibodies	
J	4 th weeks	Coccidios	1	or
AMAMIT	A Eth III 1	coccidiosta		
	4-5 th Weeks	Calcium to	onic fortified with B ₁₂	
	LAWNGTLAL	2		
			7   P a g	ge



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

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



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

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	Ŋ:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. Sudip Kumar Dutta	:	Scientist (Hort.)SIB	sudipiari@rediffmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. L. H. Puii	(:	Scientist (Vet. Microbiology)	lpuii@gmail.com
Dr. Lungmuana	2:	Scientist (Soil Fertility)	lmsingson@gmail.com
Dr. M. Thoithoi Devi	:	Scientist (Agronomy)	thoiagri@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com
Mr. Vanthawmliana		Senior Research Fellow (Mizo	Tom_tom79@yahoo.in
2		language Translator) CHA	MPAI

### **Collaborating Department:**

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	ł	<b>Dr. Lalmuanzovi</b> SERCHHIP Head & Sr. Scientist	kvkhnahthial@gmail.com	9862803750 9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte Head & Sr. Scientist	kvkkolasib@gmail.com	9436152440
KVK, Serchhip	:	Mr. K. Laltlanmawia Head & Sr. Scientist	<u>kvkserchhip@gmail.com</u>	9436146115 9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei Head & Sr. Scientist	kvkkhawzawl@gmail.com	9436159788
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi Head & Sr. Scientist	kvklawntlai@gmail.com	9436155858
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe Head & Sr. Scientist	<u>kvksaiha@gmail.com</u>	8974656509
KVK, Mamit	:	Dr. Samuel Lalliansanga Head & Sr. Scientist	kvkmamit@gmail.com	9436147625
KVK, Aizawl	:	Dr. K. P. Chaudhary Head & Sr. Scientist	<u>Kpchy@rediffmail.com</u> <u>kvkaizawl@rediffmail.com</u>	9436351669



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