

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



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District: Aizawl

Period: 11 April – 15 April, 2018

Bulletin No: - 783/2	018/ Bullet	in/English	Date of is	sue: 10 th April	, 2018	
Parameters	11.04.2018	3 12.04.2018	13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	15	22	16	14	25	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clea:	r Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	96	96	92	96	97	
Min RH (%)	50	59	37	36	34	
Wind Speed (KmpH)	3	3	5	3	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
		-Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We				
		1-31, 2018 (Percent			enthesis)	
Aizawl- 8.42 mm	Champha	i- 9.28 mm S	aiha- 11.37 mn	n Kolasib-	10.51 mm	
(4.20mm)		(5.10mm)	(3.60mn		(10.80mm)	
Lawngtlai-7.84mm	Lunglei		6.35mm Mamit-8.21mm		ip-6.37mm	
(3.40mm)		(4.10mm)	(8.30mm	· · · · · · · · · · · · · · · · · · ·	(5.20mm)	
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather forecast valid from 11 th April, 2018 To 15 th April, 2018.				
three day						
Maximum Tem. (°C):2 Minimum Tem. (°C):1		There are chances of moderate to heavy rainfall during the				
Maximum RH (%):88-		next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30°C and 14°C. Maximum				
Minimum RH (%):48-		U	<i>v v</i>			
Wind Direction: Sout		relative humidity is expected in the range of 92-97% and				
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	minimum may from 34-59%. Wind direction would be				
Wind speed: 1-2 km/		southeasterly with the wind speed of 3-5 km per hour.				
wind speed. I 2 milly		Partially clear sk	y will prevail d	uring the next f	five days.	
Rainfall: 34.1 mm						
		Weekl	y cumulative i	rainfall: 92.0 1	nm	
NDVI for Mizoram		North East Region 24 fam	Mildly dry	condition oc	curs in all	
			districts of			

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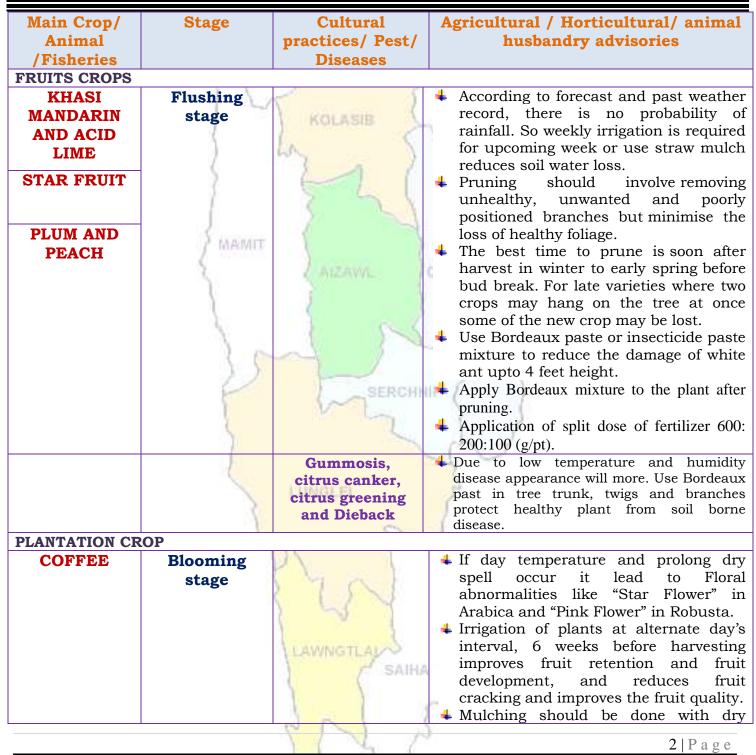
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND H		TLANING IL NO Y	
Maize (Jhum)	Sowing stage	SAIHA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.
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		I L L	3 P a g e



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be
		1121	4 P a g e



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		A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
	5	23	 Low temperature and high human influence the population of onion trips Apply any systemic insecticide 1. m1/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system.
	1	54	 Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
	25	SERCHH	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will ma in dry weather. Apply any systemat
	}	1	 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Chilli	Vegetative to flowering stage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or up straw mulch reduces soil water loss.
		Y27	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Mature fruit should be harvested and
		SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
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Potato	Harvesting		4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Stuge		4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	1	4 Discard all mother tubers from
		5	harvested potato tubers.
		KOLASIB	Keep 7 -10 days for drying or reduce
	6	(the moisture level in shed dry.
)	60 J	 Keep 25% seed for next season sowing.
Cowpea	Sowing stage	1 1	 Plough the field properly, at least 2-3
compea	Sowing Stage		times.
	1		Mix fertilizer with FYM 50:60:60Kg
			/ha.
	MAMIT	1	Sow 2-3 seed per whole.
	2 marshi 2		Spacing should be 30 X 20 cm.
Okra	Sowing stage	C AIZAWAL	 Plough the field with the help of spade.
Omu	Sowing Stuge		Sow 2 seed 45 X 45 cm spacing.
		6	 Before sowing seed provide one or two
	S	1 66	irrigation.
		V S N	Frovide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI	ENDARY		
Pig	All stages	SERCHN	4 Animals must keep in dry place or
8		SERCHA	kept in alleviated area and dry bedding
		Mr. Long	(straw) to be provided to young
	50		animals.
	1		4 1 st injection at 6 months of age and
	1		2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	3	and the second	vet supervision against FMD.
		100.000	4 Reduce concentrate diet up to 5%.
	5	n 75	Provide adequate potable water.
		1	4 In present weather conditions
		The set V	vaccinate against swine fever (Vaccines
		2 1 5 5 5	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
		((Shink	
			7.00
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		81 N	
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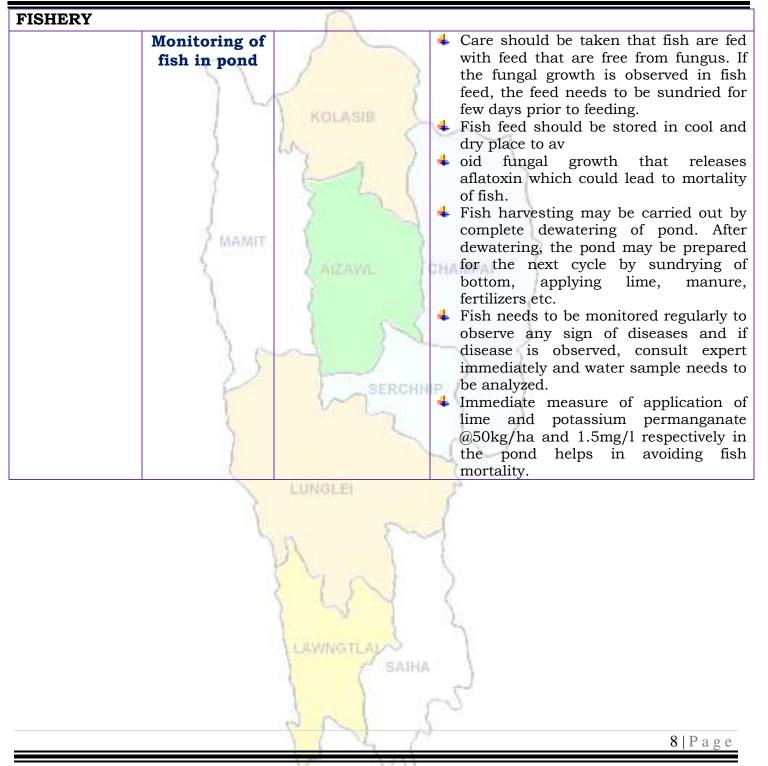


Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5 2	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	() () () () () () () () () ()		feed
)	60 J	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	3		↓ 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	2 massions	1	Separate sick animals.
	1	(AIZAWL	4 The animal should be washed with
		6 N	lukewarm water added with little
	S	5.	potash (KMnO4) or neem leaves.
	S	1 1	4 Long hair near the
	0.0	1 1 ×	udder/stomach/back legs should be
	100		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
		(~	drugs to poultry.
	¥		Proper ventilation of shed.
	3		+ Provide glucose/electral along with
	118		vitamin supplements (@5- 6ml/100
	10	100000000000000000000000000000000000000	birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	3		 Provide broad-spectrum antihelminthic
		550	drugs under vet supervision and
		M (122	recommended doses.
		DV V	+ Vaccination as per the schedule with
		1 4 26-1	proper consultation with vet.
			> Day old chick: HVT Marek disease
		1 -2 1	vaccine, 4-7 days:
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		/ SAIHA	weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days:
		1 8	RD R-2B strain.
			 4 Remove wet litter.
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Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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

LAWNGTLA SAIHA

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

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District: Aizawl

Bulletin	No: -	783/2	2018/	Bulletin/	Mizo
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Period: 11 April – 15 April, 2018

Date of issue: 10th April, 2018

		$\sim R$	4.			
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	15	22	16	14	25	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	96	96	92	96	97	
Min RH (%)	50	59	37	36	34	
Wind Speed (KmpH)	3	3	5	3	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mor	nsoon- March 1	-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)	
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m	im Kolasib	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m	m Serchh	<mark>ip-6.37mm</mark>	
(3.40mm)		(4.10mm)	(8.30m	· · · · · · · · · · · · · · · · · · ·	(5.20mm)	
Weather summary of	of the past	11 th April – 1	.5 th April, 20	18 chhunga	sik leh sa	
three day	s	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):88- Minimum RH (%):48- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 1-2 km/1 Rainfall: 34.1 mm	4-17°C 99% 65% heasterly cloudy		Khua a lum l 30°C ni tura b iam lai berin 3 ah 3-5 km v rin a ni. A tla g tak hmuh bei	ai berin 14ºC a beisei a ni. RH 34-59% ni tur a vela chakin ch ngpuiin tun ni	a ni ang a. A san lai berin rin niin. Thli haklam awi nga chhung	
NDVI for Mizoram		North East Region 21 fac	Mildly dry districts of	[,] condition oc Mizoram.	curs in all	
		1 / N	12		1 Page	



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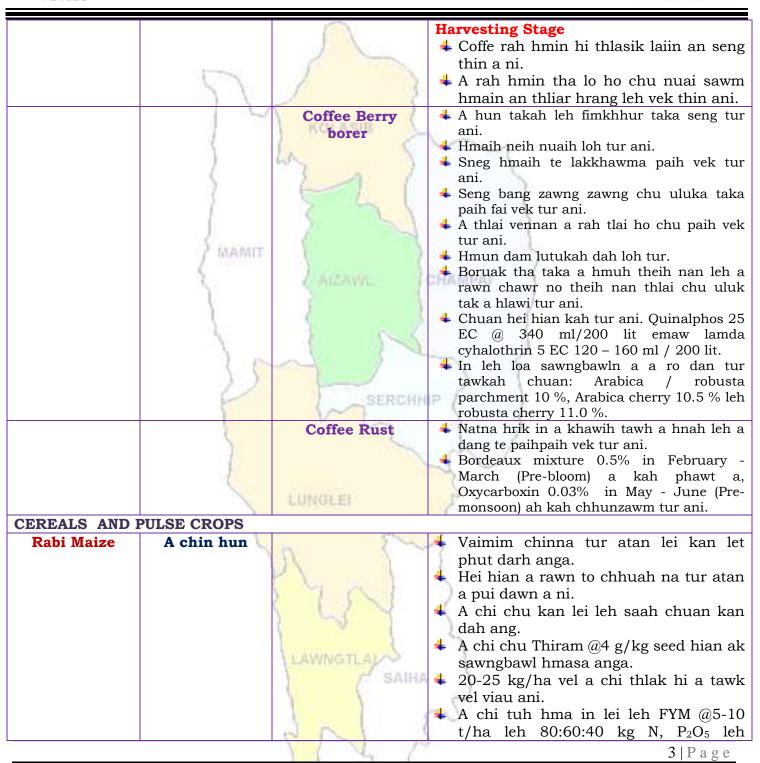


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	9	1 mountains 7	velah dahkhawm tur ani.
LIME)	LA.	4 Thlai naupang deuah chuan chawlh
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1		taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
ГЕАСП		Cummonia eiterra	4 Temperture hniam lutuk leh hnawng vang
	S	Gummosis, citrus	hian natna a a tam duh a . Soil bome natna
	1	canker, citrus greening and	laka vennan Bordeaux past hi thing zar leh
	1	Dieback	a trangah te hnawih tur ani.
	0	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu
	5		heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
DI ANTATION OD	0.7		10 g/l.
PLANTATION CR		LUNGLES	Numerows store
COFFEE	All stages		Nursery stage Thlai chi thlak hma in Azospirillum leh
	1	555	Phosphobacterium a enkawl tur ani.
		N (~~	A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		MY Cat	tlar mumal tak siam in chin tur ani.
			4 Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		Longe margane and	4 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		, SAIHA	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
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ICAR			
	5	\sum	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 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	AIZAVAL	 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



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Onion and	Nursery stage	Poly house	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	MAINIT	AIZAWAL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam
		PN 2	
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ANIMAL HUSBE	NDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	AMAIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	4 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
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	52	5	 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 a
	Preventive	0-3 rd week	ani. 4 Ranikhet Disease- an pian atanga n
	10	U-3 " week	Ranikhet Disease- an pian atanga n 1-6 ah F1 vaccine pek tur ani a, chuar
	measures	an s	a puitlingh chuan R_2B vaccine pek tu
	S		ani.
	5	State 1	✤ B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium or
	R. marine		coccidiostat
	/ MAIMIT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	8	A ATZAWAL	CHAMPAL
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thir hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.
		8 N 1	710
		1 4 6	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Bulletin No: - 783/2018/ Bulletin/English

Period: 11 April – 15 April, 2018

Date of issue: 10th April, 2018

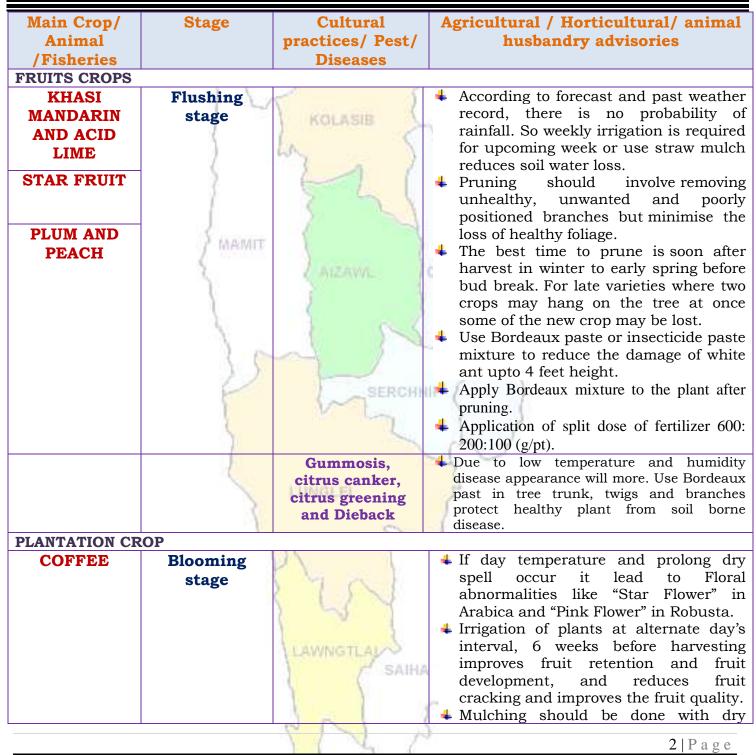
	S 3	P	1				
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018		
Rainfall (mm)	4	7	7	10	18		
Max Temp (°C)	30	30	30	30	30		
Min Temp (°C)	14	14	14	14	14		
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear		
Max RH (%)	99	93	87	87	93		
Min RH (%)	37	47	43	33	30		
Wind Speed (KmpH)	3	3	4	4	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Souther	ly- <mark>S</mark> , South-	Easterly- N-E, Eas Westerly- S-W, We 1-31, 2018 (Percent	sterly-W, North	-westerly- N-W.	anth asis)		
Aizawl- 8.42 mm			Saiha- 11.37 m		• 10.51 mm		
(4.20mm)	Champh	(5.10mm)	(3.60m		(10.80mm)		
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm		
(3.40mm)	24	(4.10mm)	(8.30m		(5.20mm)		
Weather summary	of the past		`		· · ·		
three day		Weather forecast valid from 11 th April, 2018 To 15 th April, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the					
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):92-		the next 5 days.					
Minimum RH (%):52-'		relative humidit					
Wind Direction: Sout		minimum may					
Cloud cover: Mainly o	· · · · · · · · · · · · · · · · · · ·	2					
Wind speed: 2-3 km/	hr	southeasterly with the wind speed of 3-4 km per hour.					
-		Partially clear sky will prevail during the next five days.					
Rainfall: 29.7 mm		Weekl	y cumulative	rainfall: 46.0 1	nm		
NDVI for Mizoram		North East Region 29 for	Mildly dry districts of	condition oc Mizoram.	curs in all		
		512	P		1 P a g e		

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



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	7	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND I Maize	Sowing stage	LTHUMBILING .	4 Remove all weed plant from the
(Jhum)	Sowing stage	SAIHA	 Keep the plant, leaves and wood for dry.
		PN A	3 P a g e
		-	JIIAgu



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	$\sum_{i=1}^{n}$	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum)	Sowing stage	AIZAWL SERCHH	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant.
VEGETABLE CRO Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one manth and 05% at flamming at any set.
Onion	Bulb formation stage	Poly house LAWNGTLAU SAIHA	 month and 25% at flowering stage. Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is
		11 L	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



		A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidit
	50	2 3	 Apply any systemic insecticide 1. ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	Intercultural operations should be dom regularly to keep the crop free from weeds and aeration of the root system.
]	54	 Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide treduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
	25	SERCHH	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Fruit and shoot borer attack will man in dry weather. Apply any systemat
	}		 insecticide for better cure. Harvest all mature fruit. Seed must be keep for next ra season.
Chilli	Vegetative to flowering stage		 According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss. Harvest all mature fruits.
		NJ 1	 Apply split dose of nitrogenou fertilizer to the plant. Mature fruit should be harvested and
		SAIHA	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and fru- initiation.
		en la	5 P a g e



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ICAR			
Potato	Harvesting		4 If the leaves and plant became dry it
	stage		means plant ready for harvesting.
	Stuge		4 Open the furrow with the help of
			spade, harvest all mature tubers.
	2.1	1 5	4 Discard all mother tubers from
		5	harvested potato tubers.
		KOLASIE	Keep 7 -10 days for drying or reduce
	6	0	the moisture level in shed dry.
)	64 J	 Keep 25% seed for next season sowing.
Cowpea	Sowing stage		 Plough the field properly, at least 2-3
Cowpea	Sowing stage		times.
	(Mix fertilizer with FYM 50:60:60Kg
			e e e e e e e e e e e e e e e e e e e
	AMAMIT		/ha. Sow 2-3 seed per whole.
	1	S	 Sow 2-3 seed per whole. Spacing should be 30 X 20 cm.
01	Coming stags	CAIZAWA 1	 Plough the field with the help of spade.
Okra	Sowing stage	2	 Flough the held with the help of space. Sow 2 seed 45 X 45 cm spacing.
		1 1	
	100	3 cal	Before sowing seed provide one or two invinction
			irrigation.
			Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBI			
Pig	All stages	SERCHN	Animals must keep in dry place or
	1	V~ t_	kept in alleviated area and dry bedding
			(straw) to be provided to young
			animals.
			4 1 st injection at 6 months of age and
	and the second	WHEN ASSESS	2nd injection at 12 months of age
		LUNGLEI	followed by annual vaccination under
	2		vet supervision against FMD.
		5	Reduce concentrate diet up to 5%.
		11 11	Provide adequate potable water.
			+ In present weather conditions
		1 7 R. I	vaccinate against swine fever (Vaccines
		Delation	available in State Veterinary Departs)
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive	
		Respiratory	
		Syndrome (PRRS).	
			~
		2 R	
		VIN 1	6 P a g e
			Uliago



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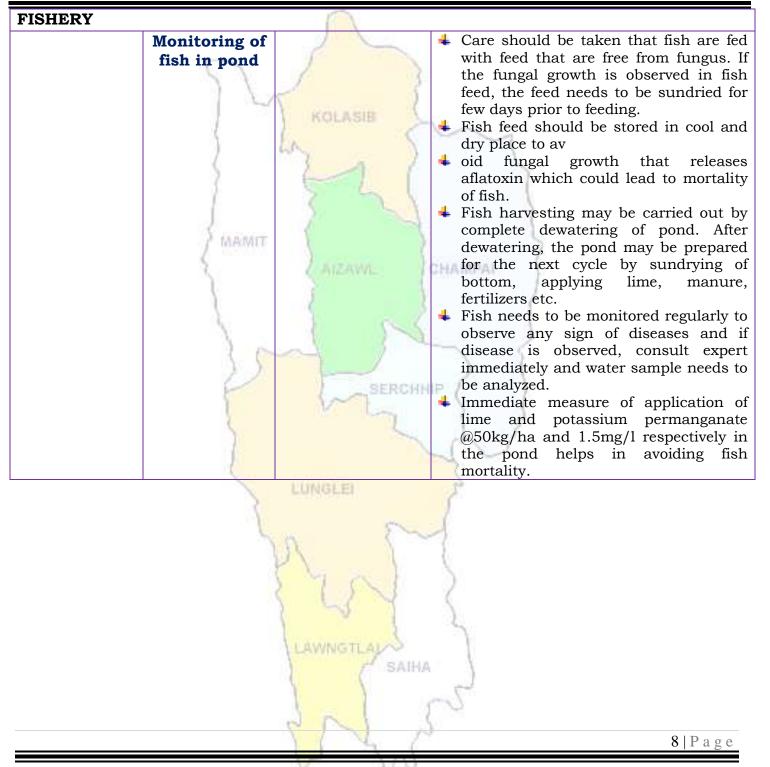


Cattle	All age group	A	4 In present weather conditions, special
	8- 8F		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	2	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	4 Provide UMB/Molases if possible in the
	() () () () () () () () () ()		feed
)	way and	4 Provide 10-30 ml of vitamin B-Complex
	S	2 0	in feed
	5		↓ 1 st injection at 6-8 weeks of age, 2nd
	1		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	L march is	A second A	4 Separate sick animals.
	1	A ARZAWL	4 The animal should be washed with
	1	6 N	lukewarm water added with little
		5	potash (KMnO4) or neem leaves.
	2	1 5	4 Long hair near the
	1		udder/stomach/back legs should be
	10.5		teamed short.
Poultry	All age group	SERCHN	+ Provide preventive dose of anti-coccidial
-		(Schonn	drugs to poultry.
	5		Proper ventilation of shed.
	1		+ Provide glucose/electral along with
	18		vitamin supplements (@5- 6ml/100
	10		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3	and the second second	 Provide broad-spectrum antihelminthic
		~	drugs under vet supervision and
		n (~~	recommended doses.
		1	+ Vaccination as per the schedule with
			proper consultation with vet.
			> Day old chick: HVT Marek disease
		1 -2 1	vaccine, 4-7 days:- F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		≓ SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			Remove wet litter.
		C N N	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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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



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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

Bulletin	No: -	783	/2018/	Bulletin	/Mizo
					10

Period: 11 April - 15 April, 2018

Date of issue: 10th April, 2018

		P.				
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	4	7	7	10	18	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clea:	r Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	99	93	87	87	93	
Min RH (%)	37	47	43	33	30	
Wind Speed (KmpH)	3	3	4	4	4	
*Wind Direction	S-E	S-E	S-E	S-E	S-E	
Northe	rly- N, North	-Easterly- <mark>N-E</mark> , E	Casterly- E, South	-Easterly- <mark>S-E</mark> ,		
			Westerly-W, North			
Status of Pre Mor	nsoon- March	1-31, 2018 (Perce	nt of deviation fro	m normal in pare	enthesis)	
Aizawl- 8.42 mm	Champh	lai- 9.28 mm	<mark>Saiha- 11.37 m</mark>		- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60n	· · · · · · · · · · · · · · · · · · ·	(10.80mm)	
Lawngtlai-7.84mm	Lungl		Mamit-8.21m		<mark>ip-6.37mm</mark>	
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)	
Weather summary of	of the past	11 th April –	15 th April, 20	18 chhunga	sik leh sa	
three day	S	dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):92- Minimum RH (%):52- Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2-3 km/2	4-17°C 97% 71% heasterly cloudy	tura beisei a r vawh lai ber in 87-99% leh a l hi darkar kh zawngin a tleh	ung lo awm tur hi. Khua a lum la h 14ºC ni tura b hniam lai berin 3 atah 3-4 km w h rin a ni. A tla ng tak hmuh bei	ai berin 30ºC beisei a ni. RH 30-47% ni tur a zela chakin ch ngpuiin tun ni	a ni ang a. A san lai berin rin niin. Thli nhaklam awi	
Rainfall: 29.7 mm		Weekly cumulative rainfall: 46.0mm				
NDVI for Mizoram		North East Region	Mildly dry districts of	r condition oc Mizoram.	curs in all	
		512	12		1 P a g e	

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



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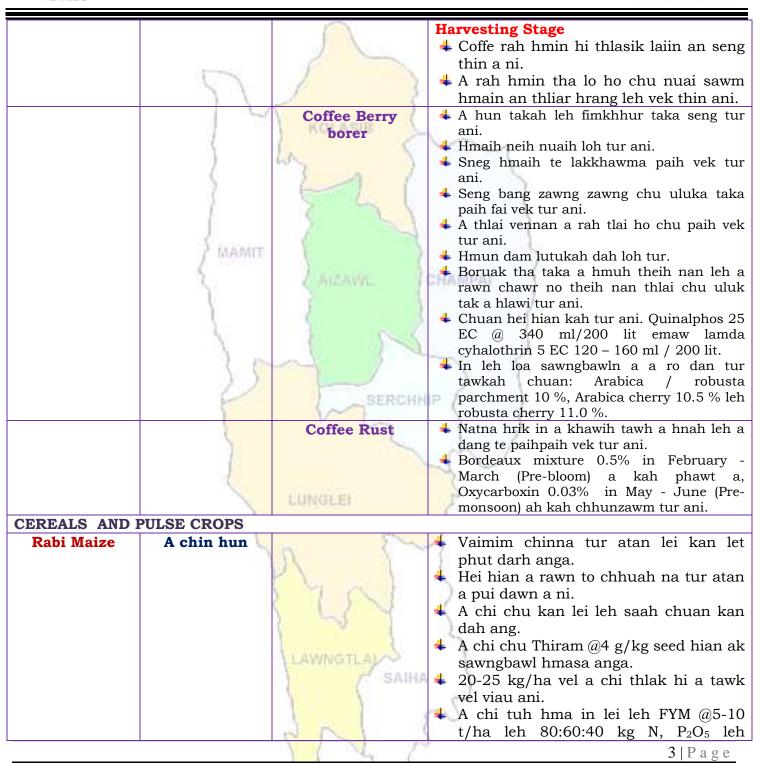


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS	•					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		Thomas 2	velah dahkhawm tur ani.			
LIME)	LA N	4 Thlai naupang deuah chuan chawlh			
		1 0 1	kar tin a tui pek thin tur ani.			
BANANA	1		4 Leia tha mamawh tawk a hmuh			
	6	2 5	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha			
	1 meaning	5	taka pek hian a rah tla tur chelh nan			
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah			
			keh tur lakah t a veng thei ani.			
PEACH	1					
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna			
	1.1.2	canker, citrus	laka vennan Bordeaux past hi thing zar leh			
	5.0	greening and Dieback	a trangah te hnawih tur ani.			
	11	Fruit fly	Huan zau takah chuan a par tan tirh leh a			
	1	FILIT IYERCHN	rah tan tirin chawlhkar hnih chhung chu			
	1	Y La	heng te hian enkawl tur ani: carbaryl 0.2			
	S		percent emaw malathion 0.15 percent			
			suspension containing sugar or jeggery at			
			10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages	energy second l	Nursery stage			
		C	+ Thlai chi thlak hma in Azospirillum leh			
	5	n (~~	Phosphobacterium a enkawl tur ani.			
			A chi hi December – January ah hmun			
		My and	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.			
		1 -3 1	Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.			
			 A Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAN	nan niin a chhun loh nan zar hliah tur			
		≓ SAIHA				
			Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
	1	NR C				
		V V M	2 P a g e			



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



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumOnion and capsicumNursery stagePoly houseImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPoly houseImage: CapsicumImage: CapsicumImage: CapsicumPhytopthors blightImage: CapsicumImage: CapsicumImage: CapsicumPhytopthors blightImage: CapsicumImage: CapsicumImage: CapsicumSowing stageImage: CapsicumIm				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radish<	0	5	KOLASIB	 Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
French beanSowing stageHightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hnch taka 1% Bordeaux chawhpawh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.French beanSowing stage4 Tui pek à hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma 			AIZAWA	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		 emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
radish tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage	LUNGLEI	A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage		 Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1
			P 12 2)



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



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 Preventive measures O-3 rd week Chaw a hmuar/thing pek loh tur ani a an chaw eitur thiak sak thut loh tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thiak sak thut loh tu ani. Ranikhet Disease- an pian atanga na 1-6 ah F1 vaccine pek tur ani a, chua a puitlingh chuan R₂B vaccine pek tu ani. B complex with antibodies 4-5th Weeks Colcitiosis- Amprolium o coccidiostat Concidiosisa- Amprolium o coccidiostat Concidiosis- Amprolium o coccidiostat Concidiosis- Amprolium o coccidiostat Sangha te hi chaw a hmuar kai la chauh pek thin tur ani. Sangha chaw i a hmuar lohna turi sa phoro phavt tur ani. Sangha chaw hi a hmuar lohna turi shmun ro leh uap lutuk lo ad hathat tur ani a, funuar atang a tur lo insean thin, aflatoxin avang a sangha thi lai atangin sangha a haim phab thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih a ti awlsam a, diltu a hman hia agangha natna avang a thi tur lai atangin a veng thei. 				
Preventive measures 0-3 rd week 4 Ranikhet Disease- an pian atanga m 1-6 ah FI vacine pek tur ani a, chuaa a puitingh chuan R ₀ B vaccine pek tu ani. a puitingh chuan R ₀ B vaccine pek tu ani. 4 th weeks 4 Coccidiosis- Amprolium o coccidiostat 4-5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 4-5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 4.5th Weeks 4 Calcium tonic fortified with B ₁₂ FISHERY 4 Sangha te hi chaw a hmuar kai le chauh pek thin tur ani. Sangha chaw li a hmuar lohna turi ni, aflatoxin avang a sangha thi lai atongin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih tur ani. 5 Sangha te natana hum hah thin. Honor, chinai phul, leitha hman leh tu. 5 Sangha te natana avang a thi tur ali atangin a yengh thi ana turi tur ani.		5	\sum	Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu
measures 1-6 ah F1 vaccine pek tur ani a, chuat a puttingh chuan R2B vaccine pek tu ani. 4th weeks Coccidiosis- coccidiositat 4-5th Weeks Coccidiositat FISHERY 4-5th Weeks Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i a phoro phawt tur ani. Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatxin avang a sangha thi lai atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiai sangha natna avang a thi tur lai atangin a veng thei.		Droventive	0.3 rd week	
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 ani. B complex with antibodies Coccidiosis- Amprolium o coccidiosiat Coccidiosiat Coccidiosiat Calcium tonic fortified with B12 FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw i lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin imun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thii hian a kumleh a sangha khawinan a di buatsaih a ti awisam a, dil mawn, phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei. 		measures	wy)	
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FISHERY Monitoring (Sangha enkawl) * Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni si a phoro phawt tur ani. * Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. * Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn, phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. * Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. * A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei.			4 th weeks	1
FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar kai h chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw li enkawl) Sangha chaw hi a hmuar lohna turii hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Di sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anii chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur lal atangin a veng thei.		S among		
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 (Sangha enkawl) (Sangha enkawl) (Sangha enkawl) (Sangha enkawl) (Sangha chawhi a hmuar bana turia humur anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turia hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lal atangin a veng thei. 	FISHERY	2	ANZAWAL	CHAMPAI }
7LD a co		(Sangha		 chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh anil chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur lal atangin a veng thei.
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ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh		Joint Director	basantasinghsoibam@rediffmail.com	
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com	
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com	
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com	
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com	
Mr. P.L. Lalrinsanga		Scientist (Aquaculture)	viensky2@gmail.com	
Dr. Dr. V. Dayal	2:	Scientist (Horticulture)	Vishambhai5009@gmail.com	
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com	
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com	
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com	

Collaborating Department:

Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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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

Bulletin No: - 783/2018/ Bulletin/English

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Date of issue: 10th April, 2018

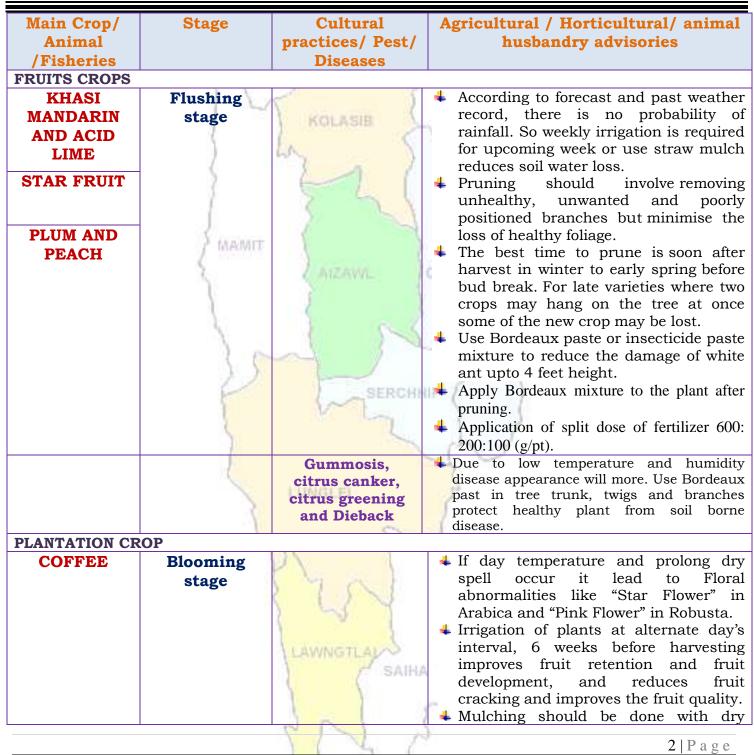
	1 1	SC.	1				
Parameters	11.04.2018	3 12.04.2018	13.04.2018	14.04.2018	15.04.2018		
Rainfall (mm)	5	13	10	13	19		
Max Temp (°C)	31	31	31	31	31		
Min Temp (°C)	17	17	17	17	17		
Cloud Coverage	Partially clear	r Partially clear	Partially clear	Partially clear	Partially clear		
Max RH (%)	93	96	96	100	99		
Min RH (%)	39	46	33	35	37		
Wind Speed (KmpH)	3	3	5	3	3		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Souther	ly- <mark>S</mark> , South-	-Easterly- <mark>N-E</mark> , Ea Westerly- <mark>S-W</mark> , W	esterly-W, North	n-westerly- N-W.			
		1-31, 2018 (Percen					
Aizawl- 8.42 mm	Champh	lai- 9.28 mm	Saiha- 11.37 m		10.51 mm		
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)		
Lawngtlai-7.84mm	Lungl	ei-6.35mm	Mamit-8.21m		ip-6.37mm		
(3.40mm)	0.11	(4.10mm)	(8.30m		(5.20mm)		
Weather summary of		Weather forecast valid from 11 th April, 2018 To					
three day		15 th April, 2018.					
Maximum Tem. (°C):2		There are chances of moderate to light rainfall during the					
Minimum Tem. (°C):1		next 5 days. The maximum and minimum temperatures for					
Maximum RH (%):83-		the next 5 days may range for 31°C and 17°C. Maximum					
Minimum RH (%):61-0 Wind Direction: Sout		relative humidity is expected in the range of 93-100% and					
Cloud cover: Mainly of		minimum may from 33-46%. Wind direction would be					
Wind speed: 2 km/hr	· · · · · · · · · · · · · · · · · · ·	southeasterly with the wind speed of 3-5 km per hour.					
wind speed. 2 km/m		Partially clear sky will prevail during the next five days.					
Rainfall: 36.2 mm		Weekly cumulative rainfall: 60.0 mm					
NDVI for Mizoram		North East Region 3	Mildly dry districts of	r condition oo Mizoram.	curs in all		
		8151	2		110		
			6		1 P a g e		

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



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Public Vi	KOLASIB	 grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber Ve	egetative stage	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Ha	getative/ urvesting stage	 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.
CEREALS AND PULSE		
Maize Sow (Jhum)	ving stage	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry.
	6	3 P a g e



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	7	KOLASIB	 Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm from plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm
Ginger and turmeric	Sowing stage		 Rhizome should be treated with Thiram @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population. Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb formation stage	Poly house	 Provide irrigation every alternate day due to non availability of rain. Intercultural operations should be done regularly to keep the crop free from weeds and better growth of bulb. Remaining quantity of nitrogen is
		NN C	4 P a g e



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		A	 applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidity
	5	23	 Low temperature and high human influence the population of onion trips Apply any systemic insecticide 1. ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be don regularly to keep the crop free fror weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide t reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mark in dry weather. Apply any systematic insecticide for better cure. Harvest all mature fruit. Seed must be keep for next rate season.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or us straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and
		SAIHA	In large gardens apply carbaryl 0.2 per cer or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 a fortnightly intervals at flowering and fru initiation.
		PN 1	5 P a g e



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



Potato	Harvesting		4	If the leaves and plant became dry it
	stage			means plant ready for harvesting.
			4	Open the furrow with the help of
				spade, harvest all mature tubers.
	2.1	1	4	Discard all mother tubers from
		∇	-	harvested potato tubers.
		KOLASIE		Keep 7 -10 days for drying or reduce
	1	6	1	the moisture level in shed dry.
)	an I		Keep 25% seed for next season sowing.
0	O	1 1 1	-	
Cowpea	Sowing stage		-	Plough the field properly, at least 2-3
	1	2 5 1		times.
		P = -2	+	Mix fertilizer with FYM 50:60:60Kg
	Second Second	1		/ha.
	J' MARMIT	1 1	+	Sow 2-3 seed per whole.
	5	Laszana J	. •	Spacing should be 30 X 20 cm.
Okra	Sowing stage	american i	+	Plough the field with the help of spade.
		1	4	Sow 2 seed 45 X 45 cm spacing.
	- A.	Sec. 1	4	Before sowing seed provide one or two
		1 1		irrigation.
	1	1 1 1 ×	-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSB	ENDARY			<u> </u>
Pig	All stages	SERCHN	(m)	Animals must keep in dry place or
Ŭ		1~1 SCRONN		kept in alleviated area and dry bedding
	<u>y</u>			(straw) to be provided to young
	S.			animals.
	1		4	1 st injection at 6 months of age and
	1		-	2nd injection at 12 months of age
		LUNGLEI		followed by annual vaccination under
	S.	ILM IN CELEX	12	vet supervision against FMD.
			4	Reduce concentrate diet up to 5%.
		5	1	Provide adequate potable water.
		I	1	In present weather conditions
			1	1
		M T Tot	- 3	vaccinate against swine fever (Vaccines
			-6	available in State Veterinary Departs)
		Porcine	3	. Culling of positive pigs or piglets.
			1	
		Reproductive	2	
		Respiratory		
		Respiratory		
		Respiratory	-	
		Respiratory	~	
		Respiratory	~	6 P a g e

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



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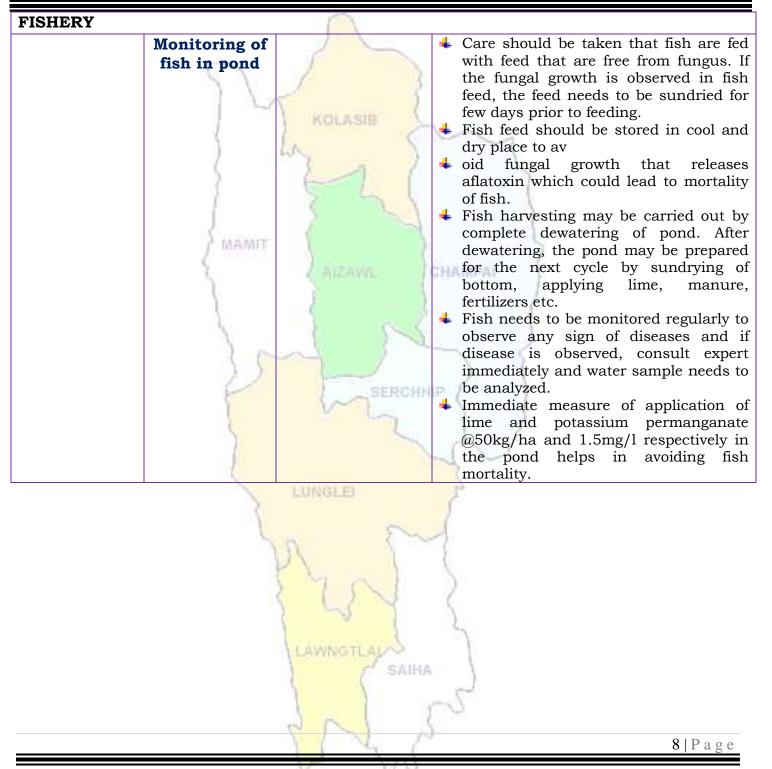


Poultry All age group Provide places/electral along with vit vitamin supplements (@5- 6ml/100 birds) with adequate potable water Provide places/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable wa	Cattle	All age group	0	4 In present weather conditions, special
 Poultry All age group Poultry All age group Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed Provide preventive dose of anti-coccidia drugs to poulty. Provide proventive dose of anti-coccidia drugs to poulty. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 bitrains) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: - F/Lasota, 14-18 days: Intermediate plus/IBH vaccine, 35 days: F/Lasota, 6-70 weeks; Chicken embryo adoptec fowl pox vaccine and 56-70 days RD R-2B strain. 		001		care should be taken against attack of
 Poultry All age group Poultry All age group Provide UMB/Molases if possible in the feed Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed Provide 10-30 ml of vitamin B-Complex in feed Provide by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthindrugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 47 days: – F/Lasota, 14-18 days: Intermediate plus/IBH vaccine, 35 days: F/Lasota, 6-6 weeks: Chicken embryo adopted fow pox vaccine and 56-70 days RD R-2B strain. 				maggots in the wounds of animals.
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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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Bulletin	No: -	783	/2018/	Bulletin	/Mizo
				- A -	0

Period: 11 April - 15 April, 2018

Date of issue: 10th April, 2018

		- 10 M			
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018
Rainfall (mm)	5	13	10	13	19
Max Temp (°C)	31	31	31	31	31
Min Temp (°C)	17	17	17	17	17
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	93	96	96	100	99
Min RH (%)	39	46	33	35	37
Wind Speed (KmpH)	3	3	5	3	3
*Wind Direction	S-E	S-E	S-E	S-E	S-E
Souther	rly- <mark>S</mark> , South-V	Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Pre Mor Aizawl- 8.42 mm		31, 2018 (<i>Percent</i> ai- 9.28 mm	of deviation fro Saiha- 11.37 m		enthesis) • 10.51 mm
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungle	i-6.35mm	Mamit-8.21m	n Serchh	ip-6.37mm
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary	of the past	11 th April – 1	5 th April, 20	18 chhunga	sik leh sa
three day			dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):83- Minimum RH (%):61-(Wind Direction: Sout Cloud cover: Mainly o Wind speed: 2 km/hr Rainfall: 36.2 mm	7-21°C 91% 69% heasterly cloudy	Tun ni 3 chhur tura beisei a ni. vawh lai ber in 93-100% leh a l Thli hi darkar k zawngin a tleh s hian khawthiang Weekl	Khua a lum l 17ºC ni tura b nniam lai berin hatah 3-5 km rin a ni. A tla g tak hmuh bei	ai berin 31ºC a beisei a ni. RH n 33-46% ni tu vela chakin c ngpuiin tun ni	a ni ang a. A san lai berin ar a rin niin. hhaklam awi nga chhung
NDVI for Mizoram		North East Region 21 for	Mildly dry districts of	condition oc Mizoram.	curs in all
		5/2	12		1 Page



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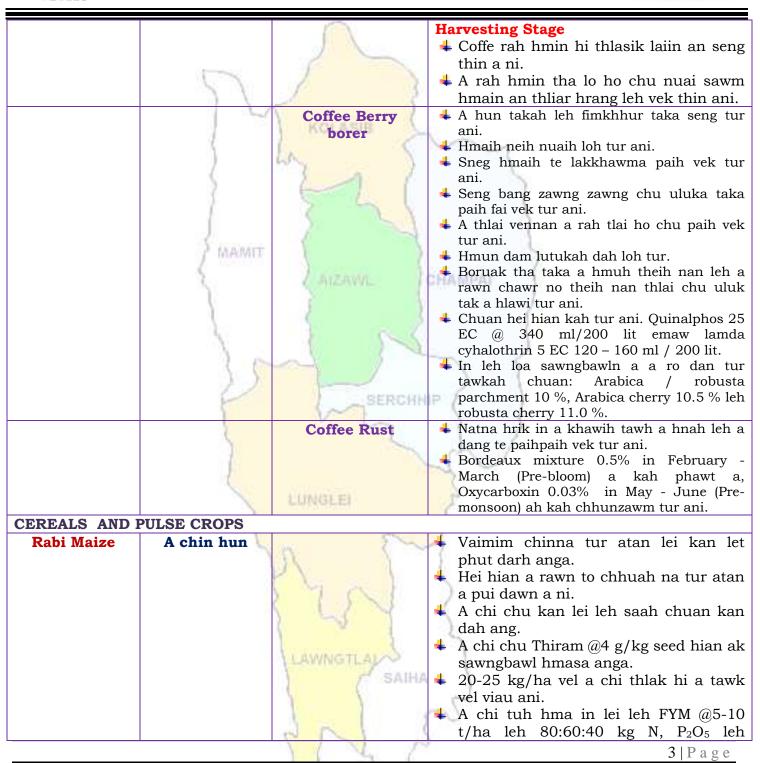


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	I
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID) NULHOID	velah dahkhawm tur ani.
LIME		La S	4 Thlai naupang deuah chuan chawlh
	6	3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5 1	theihna turin a hmunhma a hnim awm
		5 24	te thlawhfai thin tur ani.
STAR FRUIT	Summer		4 A seng hma kar 6 chhung chu tui tha
	J' MAMIT	S	taka pek hian a rah tla tur chelh nan
		LAIZAWA I	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
	10	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
	0.0	greening and	laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.
	1)	Dieback	
	F	Fruit fly RCHH	+ Huan zau takah chuan a par tan tirh leh a
	1	Vita	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	Profile Street	Nursery stage
	1	-	+ Thlai chi thlak hma in Azospirillum leh
		n m	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
	1		zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 1 1	tlar mumal tak siam in chin tur ani.
		1 55 4	+ Chuan a chi chu lei tlem te a chhilh a
		A Star St	buhpawla khuh tur ani.
		LAWNGTLAN	4 Nitin tui pek tur ani a, a sat lutuka loh
		SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	
			↓ Ni 45 hnu velah a tiak thin a,chu chu
		1 2 1	bag ah an sawn chhuak leh thin ani.
		6 N N	
			2 P a g e



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



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



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



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		0-3 rd week	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive measures	0-3 week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
		11	 a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
		4 th weeks	Coccidiosis- Amprolium or
	S. annua	T- WCCKS	coccidiostat
	J MADVILL	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	(ARZAWIL)	CHAMPAI }
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
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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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	64	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Bulletin No: - 783/2018/ Bulletin/English

Period: 11 April - 15 April, 2018

Date of issue: 10th April, 2018

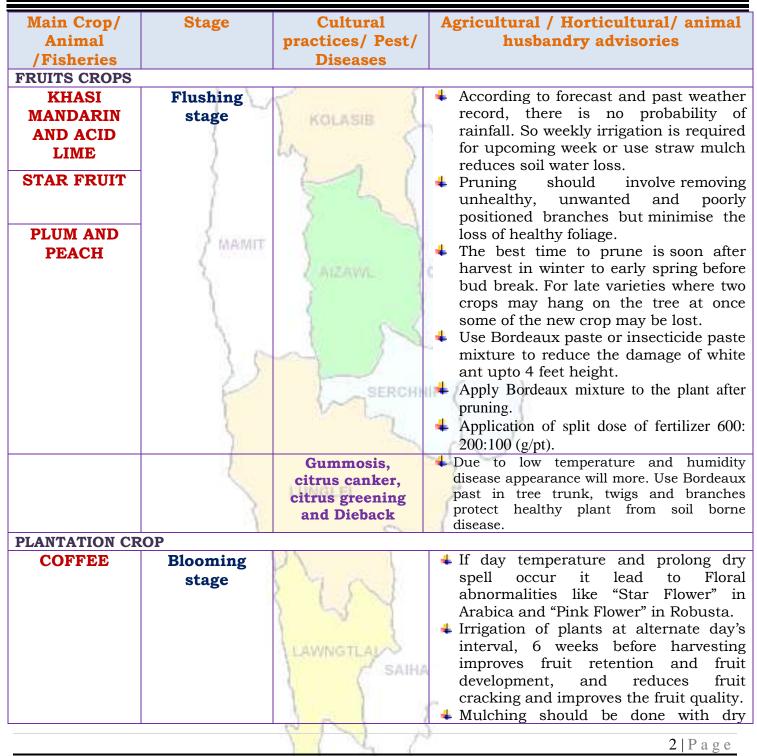
		1060			
Parameters	11.04.2018		13.04.2018	14.04.2018	15.04.2018
Rainfall (mm)	3	8	0	0	0
Max Temp (°C)	30	30	30	30	30
Min Temp (°C)	14	14	14	14	14
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	91	87	80	84	78
Min RH (%)	29	36	29	25	24
Wind Speed (KmpH)	3	2	2	2	3
*Wind Direction	E	S	S-E	S-E	S-E
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Pre Mor	nsoon- March	1-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 m	im Kolasib	- 10.51 mm
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary of	-	Weather for	recast valid fr	om 11 th April, 2	2018 To
three day	s		15 th April,	, 2018.	
Maximum Tem. (°C):2	24-27°C	There are chanc	es of light rain	fall during the	next 2 days.
Minimum Tem. (°C):1	6-19ºC	The maximum a	nd minimum	temperatures fo	or the next 5
Maximum RH (%):86-	95%	days may range			
Minimum RH (%):51-		humidity is expe			
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from 24-36		0	
Cloud cover: Mainly o		southerly and so			•
Wind speed: 2-3 km/	hr	per hour. Partial	•	-	
		-	iy cical sky wil	i prevan during	, the next live
Rainfall: 22.8 mm		days.			
				rainfall: 11.0	
NDVI for Mizoram		North East Neglon 24 Ia	5 5	condition oc	curs in all
		~~~~ E	districts of	Mizoram.	
		- Digital and	-		
			-		
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Soil moisture during winter.         * The young fruit plant must be irrigate at weekly interval for bette establishment.         * Folia application of Mepiquat chlorid @ 1000 PPM concentration or 0.759 SSP @ 1.5 gp er 200 lt of water 15 day interval.         Rubber       Vegetative stage         * According to forecast and past weather record, there is no probability or animal. So weekly irrigation is require for upcoming week or use straw mulciple reduces soil water loss.         * Farmers can go for tapping upto las week of January.         * Make fire line around the field to saw from fire.         Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft between 4 plants. Store dried leaves i the pit and after 4 months it can use a manure.         Oil plam       Vegetative/ Harvesting stage         Viole infigution of dry leaf mulch or paddy hus to a thickness of about 8 cm. in the basi keeps down the weed growth and decrease the number of irrigation of split dose of fertilizer 600 200:100 (g/pt).         * Application of split dose of fertilizer 600 200:100 (g/pt).         * Apply Bordeaux mixture to the plant afte priving.         * Fruits are harvested when they attain fu size, develop attractive colour with optimur sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jhum)         Sowing stage         * Remove all weed plant from th selected place.         * Remove all weed plant from th selected place.	ICAR			
Oil plam       Vegetative/ Harvesting stage       Image: Free Stage       Image: Stage: Stage: Stage: Stage: Stage       Image: Stage: Sta		7	KOLASIB	<ul> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Harvesting stage       * Application of dry leaf mulch or paddy hus to a thickness of about 8 cm. in the basi keeps down the weed growth and decrease the number of irrigations and also improve fruit quality.         * Application of split dose of fertilizer 600 200:100 (g/pt).         * Apply Bordeaux mixture to the plant after pruning.         * Fruits are harvested when they attain fui size, develop attractive colour with optimur sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jhum)       Sowing stage         • Remove all weed plant from th selected place.         • Keep the plant, leaves and wood fo dry.	Rubber	stage	AIZAWL	<ul> <li>record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Maize (Jhum)       Sowing stage       Remove all weed plant from the selected place.         Keep the plant, leaves and wood for dry.		Harvesting		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum</li> </ul>
(Jhum) selected place. Keep the plant, leaves and wood fo dry.			L'ENTRO L'ENTRO	Remove all weed plant from the
		Sowing stage	SAIHA	selected place. Keep the plant, leaves and wood for
1 Page			PN A	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	<ul> <li>applied 30-40 days after transplantin</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidi</li> </ul>
5	23	<ul> <li>Low temperature and high human influence the population of onion trips</li> <li>Apply any systemic insecticide 1 ml/lt of water.</li> </ul>
Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be dor regularly to keep the crop free fro weeds and aeration of the root system</li> <li>Harvest all mature fruits.</li> </ul>
	24	<ul> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25		<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Fruit and shoot borer attack will make in dry weather. Apply any systematical systematical</li></ul>
}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Vegetative to flowering stage		<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> </ul>
	NJ V	<ul> <li>Apply split dose of nitrogenor</li> <li>fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
	Transition in the	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspensi- containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage       Image: Constraint of flowering stage         Fruiting to flowering stage       Image: Constraint of flowering stage         Vegetative to flowering       Image: Constraint of flowering



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Potato       Harvesting stage       4       If the leaves and plant became dry it means plant ready for harvesting.         • Open the furrow with the help of spade, harvest all mature tubers.       • Discard all mother tubers from harvested potato tubers.         • Down as Sowing stage       • Discard all mother tubers and sowing.         • Plough the field properly, at least 2-3 times.         • Mix fertilizer with FYM 50:60:60Kg /ha.         • Sowing stage       • Plough the field with the help of spade.         • Sowing stage       • Plough the field with the help of spade.         • Sowing stage       • Plough the field with the help of spade.         • Sowing stage       • Provide fertilizer @ 120: 60: 60 Kg/ha         • Mix fertilizer @ 120: 60: 60 Kg/ha       • Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         • Mix lettilizer       • Provide fertilizer weather conditions of age and 2nd injection at 12 months of age followed by annual vaccination under vaccinate against swine fever (Vaccines available in State Veterinary Departs)         • Provide in grast swine fever (Vaccines available in State Veterinary Departs)         • Culling of positive pigs or piglets.				
stage       means plant ready for harvesting.         Open the furrow with the help of spade, harvest all mature tubers.       Discard all mother tubers from harvested potato tubers.         Ecowpea       Sowing stage       Keep 25% seed for next season sowing.         Cowpea       Sowing stage       Plough the field properly, at least 2-3 times.         Okra       Sowing stage       Plough the field with the help of spade.         Sow 2-3 seed per whole.       Spade 45 X 45 cm spacing.         Sow 2-3 seed provide one or two irrigation.       Plough the field with the help of spade.         Sow 2-3 seed provide one or two irrigation.       Provide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY       All stages       All stages         Prig       All stages       Froncine         Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Syndrome (PRRS).       1. Culling of positive pigs or piglets.	Potato	Harvesting		4 If the leaves and plant became dry i
Cowpea       Sowing stage         Cowpea       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         MIMAL HUSBENDARY       Pig         All stages       All stages         Pig       All stages         Provide fertilizer @ 120: 60: 60 Kg/ha         Animals       Servide acquate potable water.         In injection at 6 months of age and 2nd injection at 12 months of				means plant ready for harvesting.
Sowing stage       spade, harvest all mature tubers.         Cowpea       Sowing stage         Cowpea       Sowing stage         Plough the field property, at least 2-3 times.         Mix fertilizer with FYM 50:60:60Kg /ha.         Sowing stage         Okra         Sowing stage         Plough the field property, at least 2-3 times.         Mix fertilizer with FYM 50:60:60Kg /ha.         Sowing stage         Plough the field with the help of spade.         Spacing should be 30 X 20 cm.         Plough the field with the help of spade.         Swor 2-3 seed per whole.         Spacing should be 30 X 20 cm.         Plough the field with the help of spade.         Swor 2-3 seed per whole.         Swor 2-4 serd 45 X 45 cm spacing.				↓ Open the furrow with the help o
Cowpea       Sowing stage       Field property, at least 2-3 times.         Cowpea       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Plough the field property, at least 2-3 times.       Mix fertilizer with FYM 50:60:60 Kg /ha.         Sowing stage       Field with the help of spade.         Sowing seed per value.       Spacing should be 30 X 20 cm.         Plough the field with the help of spade.       Sow 2 seed 45 X 45 cm spacing.         Before sowing seed provide one or two irrigation.       Provide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         Image:       All stages         Provide adequate potable water.       Image: the present weather condition under vet supervision against FMD.         Reproductive Respiratory Syndrome (PRRS).       Image: the present weather ver (Vaccinea available in State Veterinary Departs)         1. Culling of positive pigs or piglets.       Sourcinate against piglets.				
Animals       Animals       Harvested potato tubers.         Cowpea       Sowing stage       Keep 7 - 10 days for drying or reduce the moisture level in shed dry.         Keep 25% seed for next season sowing.       Plough the field properly, at least 2-3 times.         Mix fertilizer with FYM 50:60:60Kg /ha.       Sow 2-3 seed per whole.         Sowing stage       Plough the field with the help of spade.         Sow 2 seed 45 X 45 cm spacing.       Plough the field with the help of spade.         Sow 2 seed 45 X 45 cm spacing.       Perovide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY       Provide fertilizer @ 120: 60: 60 Kg/ha         Prig       All stages       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         1 # injection at 12 months of age and 2 nigection at 12 months of age followed by annual vaccination under ve supervision against FMD.         Reduce concentrate diet up to 5%.         Provide adequate potable water.         In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)         1. Culling of positive pigs or piglets.		2.1	1	
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Vaccinate against swine fever (Vaccines available in State Veterinary Departs)         Porcine         Reproductive         Respiratory         Syndrome (PRRS).			131	
Available in State Veterinary Departs)         Porcine         Reproductive         Respiratory         Syndrome (PRRS).			Plant	-
Porcine Reproductive Respiratory Syndrome (PRRS).       1. Culling of positive pigs or piglets.			7 61	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

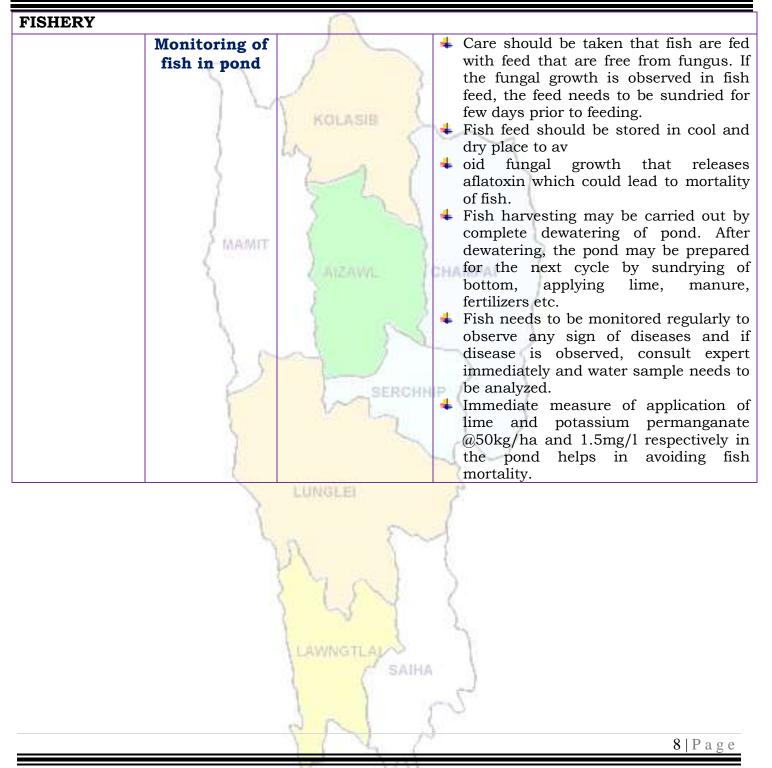


Cattle	All age group		4 In present weather conditions, special
Cutte			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 5	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	<ul> <li>Provide UMB/Molases if possible in the</li> </ul>
	1	0	feed
	)	an J	Provide 10-30 ml of vitamin B-Complex
	5	1 1	in feed
	6	the second second	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT	1	vet supervision.
	2 martines	S	Separate sick animals.
	30	ATZAWIL	4 The animal should be washed with
	13	21	lukewarm water added with little
		6 5	potash (KMnO4) or neem leaves.
		1 5 6	Long hair near the
	13 - 2		udder/stomach/back legs should be
	1 S a 🔇		teamed short.
Poultry	All age group	a series of the	Provide preventive dose of anti-coccidial
	8- 8P	SERCHN	drugs to poultry.
	1	Nº Long	+ Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2		<b>4</b> Provide broad-spectrum antihelminthic
	1	-	drugs under vet supervision and
	5	~ 5~	recommended doses.
		1	<b>4</b> Vaccination as per the schedule with
		The set V	proper consultation with vet.
		2 1 5 5	→ Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		( SAINA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		C N N	
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



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

Dr. S.B. Singh	•	Joint Director	basantasinghsoibam@rediffmail.com
Di. 5.D. Singh	•		busuncusing insolvening cumman.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
	- 0.0	AV RALL E	

#### **Collaborating Department:**

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



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

Guwahati)



#### **District:** Lawngtlai

Bulletin No: -	783/2018/	Bulletin/Mizo	

Period: 11 April – 15 April, 2018

#### Date of issue: 10th April, 2018

		$\sim R$	4.4		
Parameters	11.04.2018		13.04.2018	14.04.2018	15.04.2018
Rainfall (mm)	0	14	12	7	0
Max Temp (°C)	30	30	30	29	29
Min Temp (°C)	13	13	13	13	14
Cloud Coverage	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy	Mainly cloudy
Max RH (%)	91	98	89	99	78
Min RH (%)	40	33	61	34	33
Wind Speed (KmpH)	2	2	2	2	2
*Wind Direction	E	E	E	N-E	N
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , We			
		1-31, 2018 (Percent			
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m		10.51 mm
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		<b>ip-6.37mm</b>
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary of	· · · · · · · · · · · · · · · · · · ·	11 th April – 1	.5 th April, 20	18 chhunga	sik leh sa
three day	S		dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):86- Minimum RH (%):51-0 Wind Direction: South Cloud cover: Mainly of Wind speed: 2-3 km/1 Rainfall: 22.8 mm	6-19°C 95% 68% heasterly cloudy		Khua a lum l .4°C ni tura be iam lai berin 2 ah 2-3 km v rin a ni. A tla g tak hmuh bei	ai berin 30ºC a isei a ni. RH sa 24-36% ni tur a 7ela chakin ch ngpuiin tun ni	a ni ang a. A n lai berin of rin niin. Thli haklam awi nga chhung
NDVI for Mizoram		North East Region 29 for	Moderately conditions	wet mildly dr	y/mildly wet
		111	1		1   Page

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



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

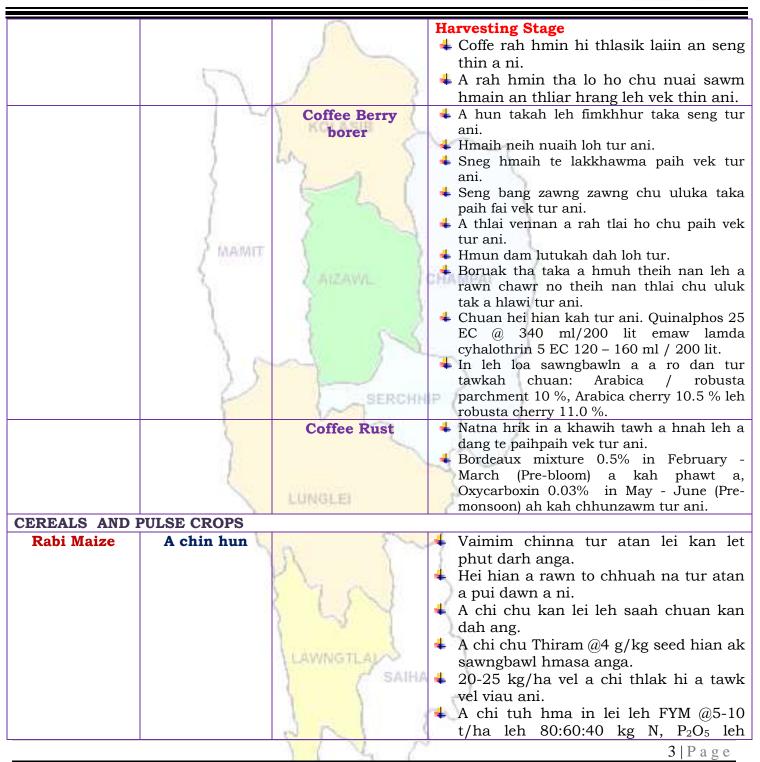


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal		
Animal		practices/ Pest/	husbandry advisories		
/Fisheries		Diseases			
FRUITS CROPS					
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur		
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul		
AND ACID		1 HOLMOID >	velah dahkhawm tur ani.		
LIME	)	La N	👍 Thlai naupang deuah chuan chawlh		
	(	3 4 1	kar tin a tui pek thin tur ani.		
BANANA	2		4 Leia tha mamawh tawk a hmuh		
	1	2 5	theihna turin a hmunhma a hnim awm		
			te thlawhfai thin tur ani.		
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha		
	f interavit k	5 6	taka pek hian a rah tla tur chelh nan		
	3.0	Z ARZAWIL I	leh a rah than that nan te leh a rah		
PLUM AND			keh tur lakah t a veng thei ani.		
PEACH	1				
	10	Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna		
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh		
		greening and	a trangah te hnawih tur ani.		
	11	Dieback			
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu		
	1	V	heng te hian enkawl tur ani: carbaryl 0.2		
	5		percent emaw malathion 0.15 percent		
	10		suspension containing sugar or jeggery at		
	100 C		10 g/l.		
PLANTATION CR					
COFFEE	All stages	2010/00/2010/1	Nursery stage		
		1994 C	+ Thlai chi thlak hma in Azospirillum leh		
	5	n 7~	Phosphobacterium a enkawl tur ani.		
		1	🗍 A chi hi December – January ah hmun		
			zawl/rualrem 1.5 - 2.5 cm a in hlatin		
		2 1 5 5	tlar mumal tak siam in chin tur ani.		
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a		
			buhpawla khuh tur ani.		
		LAWNGTLAN	4 Nitin tui pek tur ani a, a sat lutuka loh		
		SAIHA	nan niin a chhun loh nan zar hliah tur		
		( SAINA	ani.		
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu		
bag ah an sawn chhuak leh thin ani.					
		6151 A			
		1 4 6	2   P a g e		



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and capsicumNursery stagePoly houseber ani.Onion and capsicumNursery stagePoly house4 than a that theih nan nikhat danah tui pek thin tur ani.Onion and capsicumNursery stagePoly house4 than a that theih nan nikhat danah tui pek thin tur ani.Poly house4 than a that theih nan nikhat danah tui pek thin tur ani.5 thin tur ani.Phytopthora blightPhytopthora blight4 than a that theih nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/kg seed hi a tha hle aniFrench beanSowing stage4 than a that theih nan ti pek hnim to loh na tur in a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 than a that theih nan ti pek hnim to loh na tur in a kung bulah lei vur chhoh zel tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carrot and radishSowing stage4 than a that theih nan nikhat danah tur ani.Carr				
capsicumtui pek tin tur ani.capsicumtui pek tin tur ani.tui pek tin tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Thiai bul yawn hnawn nana thlai bula hnim ring yawm khawm hi tui pek zawhah dah tur ani.Phytopthora blightA chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ Kg seed hi a tha hle ani.French beanSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radishSowing stageCarrot and radishSowing stageCarrot and radishSowing stageLarot and radish<		5	KOLASIB	<ul> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb</li> <li>@ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
blightemaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle aniFrench beanSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stage4 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel 			Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha</li> </ul>
Carrot and radishSowing stageA than a that theih nan tui pek hma in lei rin pan hmasak tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Carrot and radishSowing stageA than a that theih nan nikhat danah tui pek thin tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.		35		<ul> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a</li> </ul>
radish       tui pek thin tur ani.         Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.       Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.         Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.       Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.	French bean	Sowing stage		A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
		Sowing stage	LAWNGTLAN	<ul> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1</li> </ul>
			N 12 12	)



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



#### ICAR RESEARCH COMPLEX FOR NEH REGION



	2	$\sum$	<ul> <li>Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> </ul>
	Preventive	0-3 rd week	<b>4 Ranikhet</b> Disease- an pian atanga 1
	measures	Les J	1-6 ah F1 vaccine pek tur ani a, chua a puitlingh chuan R ₂ B vaccine pek tu
	5	211	ani.
	5	5 6	+ B complex with antibodies
		4 th weeks	<b>4 Coccidiosis</b> - Amprolium o
	Summer	1	coccidiostat
	MAINT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	3	AIZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawm phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him en tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
		P N n	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	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	(A)	Meteorological Observer	evansmeteo@gmail.com

#### Collaborating Department:

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



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#### **District:** Lunglei

Bulletin No: - 783/2018/ Bulletin/English

**Period:** 11 April – 15 April, 2018

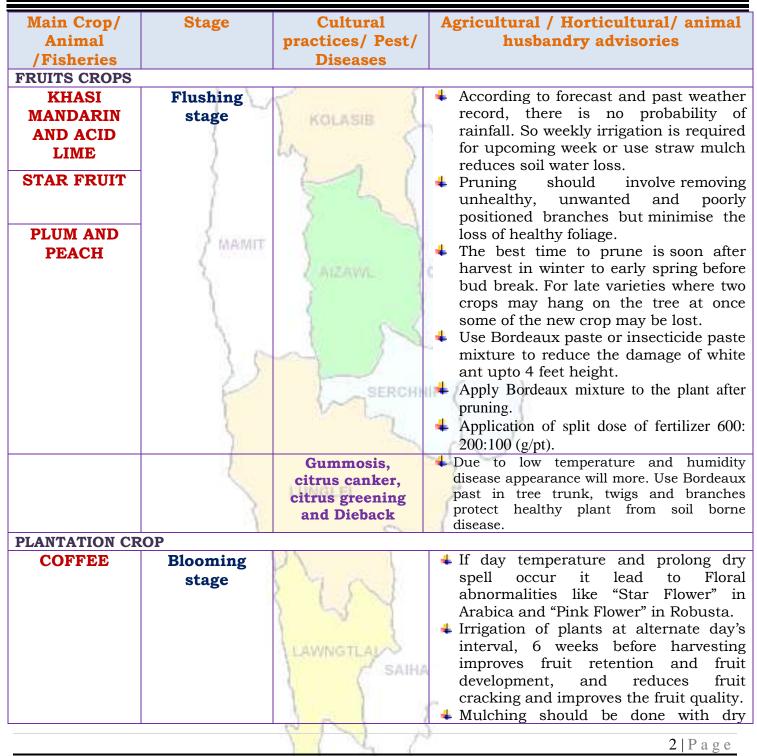
#### Date of issue: 10th April, 2018 Parameters 11.04.2018 12.04.2018 13.04.2018 14.04.2018 15.04.2018 Rainfall (mm) 9 16 0 0 0 Max Temp (°C) 32 32 32 32 32 Min Temp (°C) 18 18 18 18 18 **Cloud Coverage** Mainly clear Mainly clear Mainly clear Partially clear Partially clear Max RH (%) 96 92 82 84 79 Min RH (%) 37 48 33 30 28 Wind Speed (KmpH) 3 2 4 4 4 ***Wind Direction** E Е N-E Е E Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W. Status of Pre Monsoon- March 1-31, 2018 (Percent of deviation from normal in parenthesis) Saiha- 11.37 mm Aizawl- 8.42 mm Champhai- 9.28 mm Kolasib- 10.51 mm (4.20 mm)(5.10 mm)(3.60 mm)(10.80 mm)Lawngtlai-7.84mm Lunglei-6.35mm Mamit-8.21mm Serchhip-6.37mm (3.40 mm)(4.10mm)(8.30mm)(5.20mm)Weather forecast valid from 11thApril, 2018 To Weather summary of the past three days 15thApril, 2018. There are chances of moderate to light rainfall during the Maximum Tem. (°C):23-25°C Minimum Tem. (°C):14-16°C next 2 days. The maximum and minimum temperatures for Maximum RH (%):78-91% the next 5 days may range for 32°C and 18°C. Maximum Minimum RH (%):44-59% relative humidity is expected in the range of 79-96% and Wind Direction: Southeasterly minimum may from 28-48%. Wind direction would be **Cloud cover: Mainly cloudy** easterly to northeasterly and easterly with the wind speed Wind speed: 2-3 km/hr of 3-4 km per hour. Partially clear sky will prevail during the next five days. Rainfall: 25.3 mm Weekly cumulative rainfall: 25.0 mm Mildly dry condition occurs in all **NDVI for Mizoram** districts of Mizoram.

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** 



Rubber	Vegetative stage	KOLASIB	<ul> <li>grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> <li>According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch</li> </ul>
Rubber	stage	54	record, there is no probability of rainfall. So weekly irrigation is required
	35	AIZAWL	<ul> <li>reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.</li> </ul>
	Vegetative/ Harvesting stage		<ul> <li>Provide irrigation 10-15 days internal.</li> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.</li> </ul>
CEREALS AND PU	Sowing stage	Franko Irak	Remove all weed plant from the
(Jhum)	Soming stage	SAIHA	<ul> <li>Keep the plant, leaves and wood for dry.</li> </ul>
		PN A	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Interpultural experisions should be</li> </ul>
		SIZ A	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	<ul> <li>applied 30-40 days after transplantin</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidi</li> </ul>
5	23	<ul> <li>Low temperature and high human influence the population of onion trips</li> <li>Apply any systemic insecticide 1 ml/lt of water.</li> </ul>
Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be dor regularly to keep the crop free fro weeds and aeration of the root system</li> <li>Harvest all mature fruits.</li> </ul>
	24	<ul> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25		<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenous fertilizer to the plant.</li> <li>Fruit and shoot borer attack will make in dry weather. Apply any systematical systematical</li></ul>
}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Vegetative to flowering stage		<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> </ul>
	NJ V	<ul> <li>Apply split dose of nitrogenor</li> <li>fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
	Transition in the	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspensi- containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage       Image: Constraint of flowering stage         Fruiting to flowering stage       Image: Constraint of flowering stage         Vegetative to flowering       Image: Constraint of flowering



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



Potato       Harvesting stage       4       If the leaves and plant became dry it means plant ready for harvesting.         • Open the furrow with the help of spade, harvest all mature tubers.       • Discard all mother tubers from harvested potato tubers.         • Down as Sowing stage       • Discard all mother tubers and sowing.         • Plough the field properly, at least 2-3 times.         • Mix fertilizer with FYM 50:60:60Kg /ha.         • Sowing stage       • Plough the field with the help of spade.         • Sowing stage       • Plough the field with the help of spade.         • Sowing stage       • Plough the field with the help of spade.         • Sowing stage       • Provide fertilizer @ 120: 60: 60 Kg/ha         • Mix fertilizer @ 120: 60: 60 Kg/ha       • Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         • Mix lettilizer       • Provide fertilizer weather conditions of age and 2nd injection at 12 months of age followed by annual vaccination under vaccinate against swine fever (Vaccines available in State Veterinary Departs)         • Provide in grast swine fever (Vaccines available in State Veterinary Departs)         • Culling of positive pigs or piglets.				
stage       means plant ready for harvesting.         Open the furrow with the help of spade, harvest all mature tubers.       Discard all mother tubers from harvested potato tubers.         Ecowpea       Sowing stage       Keep 25% seed for next season sowing.         Cowpea       Sowing stage       Plough the field properly, at least 2-3 times.         Okra       Sowing stage       Plough the field with the help of spade.         Sow 2-3 seed per whole.       Spade 45 X 45 cm spacing.         Sow 2-3 seed provide one or two irrigation.       Plough the field with the help of spade.         Sow 2-3 seed provide one or two irrigation.       Provide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY       All stages       All stages         Prig       All stages       Froncine         Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Reproductive Syndrome (PRRS).       1. Culling of positive pigs or piglets.	Potato	Harvesting		4 If the leaves and plant became dry i
Cowpea       Sowing stage         Cowpea       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         MIMAL HUSBENDARY       Pig         All stages       All stages         Pig       All stages         Provide fertilizer @ 120: 60: 60 Kg/ha         Animals       Servide acquate potable water.         In injection at 6 months of age and 2nd injection at 12 months of age and 2nd injection at 20 months of age and 2nd injection at 12 months of				means plant ready for harvesting.
Sowing stage       Sowing stage         Cowpea       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         Pig       All stages         Pig       All stages         Pig       All stages         Procine       Service for the mostive point of a state.         Pig       All stages         Procine       Service for the mostive point of a state.         Procine       Reproductive Respiratory Syndrome (PRRS).				↓ Open the furrow with the help o
Cowpea       Sowing stage       Field property, at least 2-3 times.         Cowpea       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Okra       Sowing stage       Field property, at least 2-3 times.         Plough the field property, at least 2-3 times.       Mix fertilizer with FYM 50:60:60 Kg /ha.         Sowing stage       Field with the help of spade.         Sowing seed per value.       Spacing should be 30 X 20 cm.         Plough the field with the help of spade.       Sow 2 seed 45 X 45 cm spacing.         Before sowing seed provide one or two irrigation.       Provide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         Image:       All stages         Provide adequate potable water.       Image: straw of the straw of the provide to young animals.         Image:       Provide adequate potable water.         Image:       Image: straw of the straw of the provide to young animals.         Image:       Image: straw of the straw of the provide to young animals.         Image:				
Animals       Animals       Harvested potato tubers.         Cowpea       Sowing stage       Keep 7 - 10 days for drying or reduce the moisture level in shed dry.         Keep 25% seed for next season sowing.       Plough the field properly, at least 2-3 times.         Mix fertilizer with FYM 50:60:60Kg /ha.       Sow 2-3 seed per whole.         Sowing stage       Plough the field with the help of spade.         Sow 2 seed 45 X 45 cm spacing.       Plough the field with the help of spade.         Sow 2 seed 45 X 45 cm spacing.       Perovide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY       Provide fertilizer @ 120: 60: 60 Kg/ha         Prig       All stages       Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         1 # injection at 12 months of age and 2 nigection at 12 months of age followed by annual vaccination under ve supervision against FMD.         Reduce concentrate diet up to 5%.         Provide adequate potable water.         In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)         1. Culling of positive pigs or piglets.		2.1	1	
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Okra       Sowing stage         Okra       Sowing stage         Okra       Sowing stage         Plough the field with the help of spade.         Sow 2 seed 45 X 45 cm spacing.         Before sowing seed provide one or two irrigation.         Provide fertilizer @ 120: 60: 60 Kg/ha         ANIMAL HUSBENDARY         Pig       All stages         All stages         Pig       All stages         Provide fertilizer @ 120: 60: 60 Kg/ha         Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.         1 * injection at 12 months of age and 2nd injection at 12 months age and 2nd injection at 12 months age and 2nd injectio	<b>C</b>	Coming store	1 1 1	
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<ul> <li>ANIMAL HUSBENDARY</li> <li>Pig</li> <li>All stages</li> <li>All stages</li> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1* injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>		5	Laizava }	
<ul> <li>ANIMAL HUSBENDARY</li> <li>Pig</li> <li>All stages</li> <li>All stages</li> <li>All stages</li> <li>Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals.</li> <li>1st injection at 6 months of age and 2nd injection at 12 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>	Okra	Sowing stage	and the second	
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ANIMAL HUSBENDARY         Pig       All stages         All stages         Image: State of the stage of the s		1.5		
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animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) 1. Culling of positive pigs or piglets. 1. Culling of positive pigs or piglets.	-	S	1 And a second	kept in alleviated area and dry bedding
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<ul> <li>vet supervision against FMD.</li> <li>Reduce concentrate diet up to 5%.</li> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>			1 LINUCLE FIL	
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<ul> <li>Provide adequate potable water.</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>1. Culling of positive pigs or piglets.</li> </ul>				
<ul> <li>Porcine Reproductive Respiratory Syndrome (PRRS).</li> <li>In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs)</li> <li>Culling of positive pigs or piglets.</li> </ul>		5	m 2~	_
Vaccinate against swine fever (Vaccines available in State Veterinary Departs)         Porcine         Reproductive         Respiratory         Syndrome (PRRS).			131	
Available in State Veterinary Departs)         Porcine         Reproductive         Respiratory         Syndrome (PRRS).			Plant	-
Porcine Reproductive Respiratory Syndrome (PRRS).       1. Culling of positive pigs or piglets.			7 61	
Reproductive Respiratory Syndrome (PRRS).		-	Porcine	
Respiratory Syndrome (PRRS).				1. Cuming of positive pige of pigiets.
Syndrome (PRRS).				
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

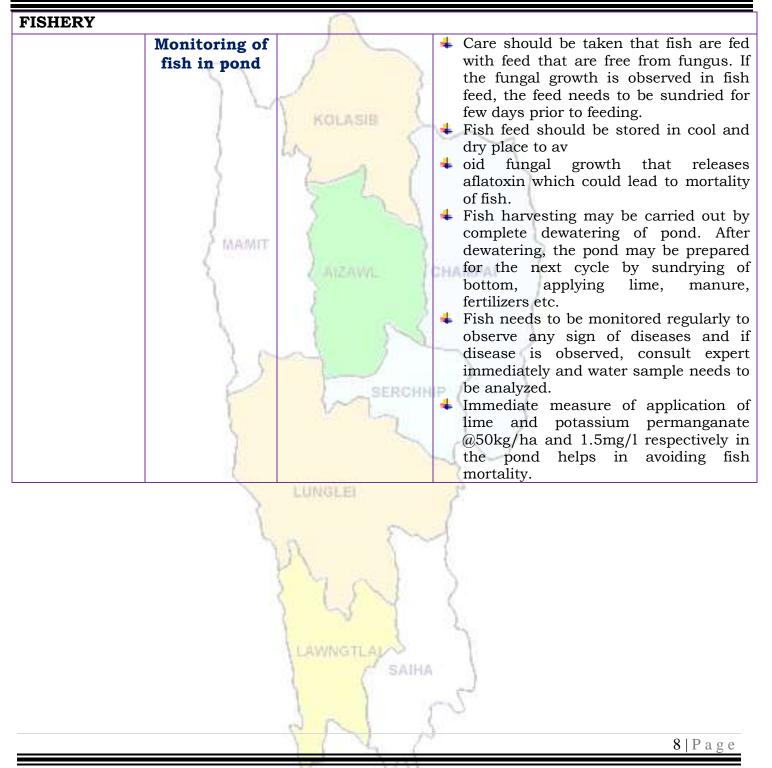


Cattle	All age group		4 In present weather conditions, special
Cutte			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 5	wounds followed by application of
		5	antibiotics for five days is advised.
		KOLASIB	<ul> <li>Provide UMB/Molases if possible in the</li> </ul>
	1	0	feed
	)	an J	Provide 10-30 ml of vitamin B-Complex
	5	1 1	in feed
	6	the second second	4 1 st injection at 6-8 weeks of age, 2nd
	E.		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT	1	vet supervision.
	2 martines	S	Separate sick animals.
	30	ATZAWIL	4 The animal should be washed with
	13	21	lukewarm water added with little
		6 5	potash (KMnO4) or neem leaves.
		1 5 6	Long hair near the
	13 - 2		udder/stomach/back legs should be
	1 S a 🔇		teamed short.
Poultry	All age group	a series of the	Provide preventive dose of anti-coccidial
	8- 8P	SERCHN	drugs to poultry.
	1	Nº Long	+ Proper ventilation of shed.
	5		+ Provide glucose/electral along with
	10		vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	4 Avoid overcrowding.
	2		<b>4</b> Provide broad-spectrum antihelminthic
	1	-	drugs under vet supervision and
	5	~ 5~	recommended doses.
		1	<b>4</b> Vaccination as per the schedule with
		The set V	proper consultation with vet.
		2 1 5 5	→ Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAL	vaccine, 35 days: F/Lasota, 6-7
		SAIHA	weeks: Chicken embryo adopted
		( SAINA	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		C N N	
			7   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



### **Expert committee members:**

Dr. S.B. Singh	•	Joint Director	basantasinghsoibam@rediffmail.com
Di. 5.D. Singh	•		busuncusing insolvening cumman.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com
	- 0.0	AV RALL E	

### **Collaborating Department:**

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



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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

Builden No. 100/2010/ Builden, Mil20	<b>Bulletin No: -</b>	783/2018/	Bulletin/Mizo
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### Period: 11 April - 15 April, 2018

### Date of issue: 10th April, 2018

		$\mathbf{F}$	4.5			
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	9	16	0	0	0	
Max Temp (°C)	<b>p (°C)</b> 32 32		32	32	32	
Min Temp (°C)	18	18	18	18	18	
Cloud Coverage	Partially clear	Partially clear	Mainly clear	Mainly clear	Mainly clear	
Max RH (%)	96	92	82	84	79	
Min RH (%)	37	48	33	30	28	
Wind Speed (KmpH)	2	3	4	4	4	
*Wind Direction	E	N-E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Pre Mon	nsoon- March 1	-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)	
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 m	m Kolasib	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	<b>i-6.35mm</b>	Mamit-8.21m	n Serchh	<b>ip-6.37mm</b>	
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)	
Weather summary of	of the past	11 th April – 1	.5 th April, 20	18 chhunga	sik leh sa	
three day	s		dinhmun tu			
Maximum Tem. (°C):2		Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo				
Minimum Tem. (°C):1		tura beisei a ni. Khua a lum lai berin 32ºC a ni ang a. A				
Maximum RH (%):78-		vawh lai ber in 18°C ni tura beisei a ni. RH san lai berin				
Minimum RH (%):44-3 Wind Direction: Sout	h a a st a st les	79-96% leh a hniam lai berin 41-54% ni tur a rin niin. Thli				
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	hi darkar khatah 2-4 km vela chakin chhaklam awi				
Wind speed: 2-3 km/l	· · · · · · · · · · · · · · · · · · ·	zawngin a tleh i	rin a ni. A tla	ngpuiin tun ni	nga chhung	
wind speed. 2-3 kin/h		hian khawthiang	g tak hmuh bei	sei a ni.		
Rainfall: 25.3 mm						
Kaiman. 23.3 mm		Weekl	u cumulative	rainfall: 25.0r	nm	
			<b>9</b>	···· <b>·</b>		
NDVI for Mizoram		North East Region 24 fax	Mildly day	condition oc	ours in all	
MDVI IOI MIZOIAIII		~	districts of		cuis in an	
			uistricts of	mizorani.		
		man of				
		24				
		A T	-			
		Agriculture signur is moderate over some of the part region.	s North			
		6 2	N		110	
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Phone: +91 3837 220041, Fax: +91 3837 220560, E-mail: kolasib.amfu@gov.in



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

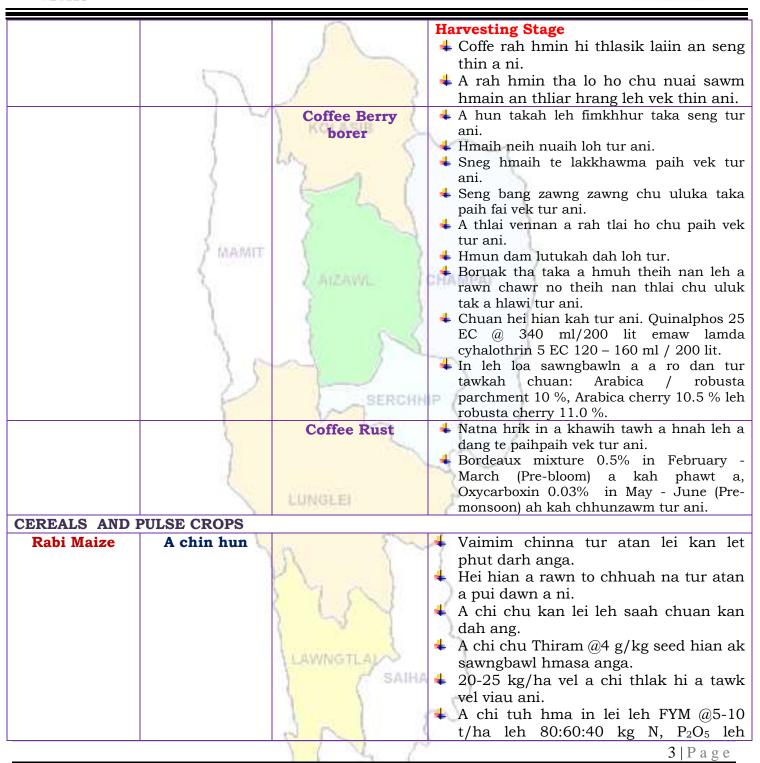


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME	)	La N	4 Thlai naupang deuah chuan chawlh
	(	3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
	20	Z AIZAWIL	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	10		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
		n ?~~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		( SAINA	ani. Ni 45 hara aralah a tiala thia a alay alay
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2   P a g e



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



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



Onion and	Numerous	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		P N S	
		1 4 6	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 bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		P N S	<b>6</b>   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION



	Durandi	0-3 rd week		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	U-3 week		<b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
	measures	11	4	a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies
		4 th weeks	-	
		T. WCCKS	-	coccidiosis- Amprolium or coccidiostat
	A MAGNIT	4-5 th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	5		C111	
	Monitoriad	and the state of t		Sangha te hi chaw a hmuar kai lo
	Monitoring (Sangha	1	-	chauh pek thin tur ani. Sangha chaw
	enkawl)	3 66		lo hmuar anih chuan pek hma in ni s
	elikawij			a phoro phawt tur ani.
	1		4	Sangha chaw hi a hmuar lohna turii
	F	SERCHH	₽) <b>+</b>	hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insean thin, aflatoxin avang a sangha thi lal atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn
		LUNGLEI	0	phoro, chinai phul, leitha hman leh tu
	3		2	dang in dil buatsaih tur ani.
	L	m En	4	Sangha te natna lak atangin an him en
		Phal I	5	tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.
		5 4 4	4	A ranglam a chinai @50kg/ha lel
		1 2 3	- 24	tuisen @1.5mg/l diltui a hman hia
		LAWNGTLAN		sangha natna avang a thi tur lal atangin a veng thei.
		/ SAIHA		
		221		5
				<b>7</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)



### **Expert committee members:**

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	64	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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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: - 783/2018/ Bulletin/English

Period: 11 April – 15 April, 2018

Date of issue: 10th April, 2018

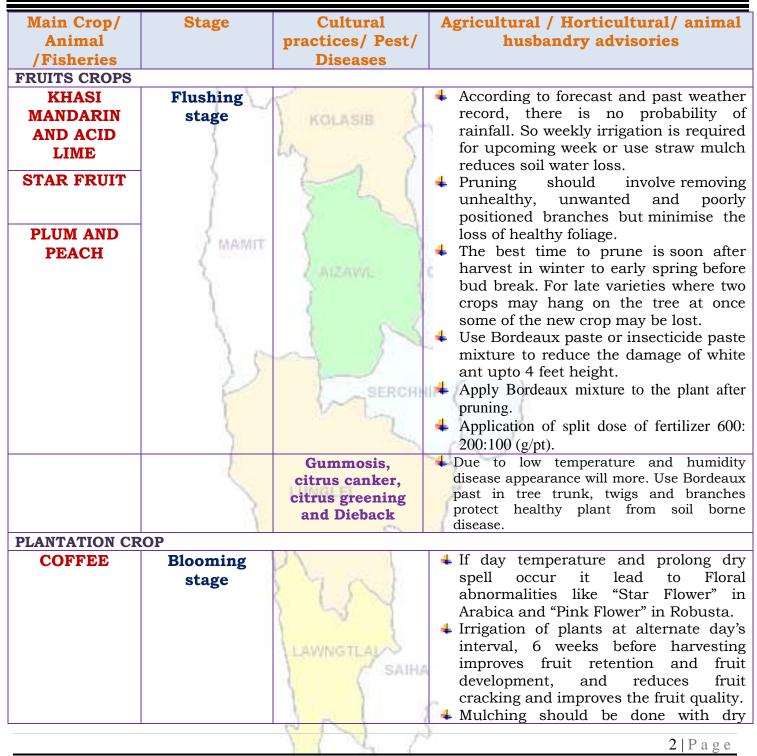
	8 1	P. I.	3		
Parameters	11.04.2018	3 12.04.2018	13.04.2018	14.04.2018	15.04.2018
Rainfall (mm)	13	16	16	10	25
Max Temp (°C)	31	31	31	31	31
Min Temp (°C)	17	17	17	17	17
Cloud Coverage	Partially clea	r Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	96	96	94	95	96
Min RH (%)	50	61	36	34	34
Wind Speed (KmpH)	3	4	4	3	4
*Wind Direction	S-E	S-E	S-E	S-E	S-E
Souther	rly- <mark>S</mark> , South-	-Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
		1-31, 2018 (Percent			
Aizawl- 8.42 mm	Champl		Saiha- 11.37 m		- 10.51 mm
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungl	ei-6.35mm	Mamit-8.21m		ip-6.37mm
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary		Weather fo		om 11 th April, 2	2018 To
three day			15 th April,		
Maximum Tem. (°C):2		There are chance			<u> </u>
Minimum Tem. (°C):1		days. The maxin	num and min	imum tempera	tures for the
Maximum RH (%):87-		next 5 days m	ay range for	31ºC and 17º	C. Maximum
Minimum RH (%):54-		relative humidity	y is expected i	n the range of	94-96% and
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	minimum may	from 34-61%.	Wind direction	on would be
Cloud cover: Mainly o		southeasterly w	ith the wind s	speed of 3-4 k	m per hour.
Wind speed: 2-3 km/	hr	Partially clear sk			
Rainfall: 34.7 mm			-5 ··· P ·· ··	8	
Kainian: 34.7 mm		Weekl	u cumulative i	rainfall: 80.0	mm
NDVI for Mizoram		North East Region 24 fai	Mildly dry	condition of	curs in all
		~~	districts of		cuis in an
		5	uistricts of	wiizorain.	
		CAR I	-		
		ALL I			
		•₿ <b>=</b> =-	1451		
		Agriculture rightr is moderate over some of the per region.	ta Raeth		
		NN	30		
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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** 



Rubber       Vegetative stage         Rubber       Vegetative stage         Rubber       Vegetative stage         Amm       According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.         Oil plam       Vegetative/ Harvesting stage         Oil plam       Vegetative/ Harvesting stage <t< th=""><th></th><th></th><th></th><th></th></t<>				
Oil plam       Vegetative/ Harvesting stage       Image: Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.         Oil plam       Vegetative/ Harvesting stage       Image: Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.		7	KOLASIB	<ul> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Oil plam       Vegetative/ Harvesting stage       * Provide irrigation 10-15 days internal.         * Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.         * Application of split dose of fertilizer 600: 200:100 (g/pt).         * Apply Bordeaux mixture to the plant after pruning.         * Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jhum)       Sowing stage         * Remove all weed plant from the selected place.         * Keep the plant, leaves and wood for dry.	Rubber	stage	AIZAWL	<ul> <li>record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Maize (Jhum)       Sowing stage       Image: A constraint of the selected place.         (Jhum)       Keep the plant, leaves and wood for dry.		Harvesting		<ul> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum</li> </ul>
(Jhum) selected place. Keep the plant, leaves and wood for dry.			Francing a	<b>4</b> Remove all weed plant from the
31Page		Sound Stuge	SAIHA	selected place. <b>4</b> Keep the plant, leaves and wood for
			PN A	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CRO	Sowing stage	AIZAWL SERCHH	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural experisions should be</li> </ul>
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	A	applied 30-40 days after transplanting Provide irrigation if water is require. Low temperature and high humidi
5	23	<ul> <li>Low temperature and high human influence the population of onion trip;</li> <li>Apply any systemic insecticide 1 ml/lt of water.</li> </ul>
Flowering to fruiting stage	Poly house	Intercultural operations should be dor regularly to keep the crop free from weeds and aeration of the root system.
1	54	<ul> <li>Harvest all mature fruits.</li> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Fruiting to flowering stage	AIZAWL	According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will ma in dry weather. Apply any systemate</li> </ul>
	1	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Vegetative to flowering stage		<ul> <li>According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or u straw mulch reduces soil water loss.</li> <li>Harvest all mature fruits.</li> </ul>
	1224	<ul> <li>Apply split dose of nitrogenor</li> <li>fertilizer to the plant.</li> <li>Mature fruit should be harvested and</li> </ul>
	SAIHA	In large gardens apply carbaryl 0.2 per ce or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/1 fortnightly intervals at flowering and from
	fruiting stage Fruiting to flowering stage Vegetative to flowering	fruiting stage         Fruiting to flowering stage         Vegetative to flowering stage         Vegetative to flowering stage         Fruit fly



ICAR RESEARCH COMPLEX FOR NEH REGION

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



ICAR			
Potato	Harvesting stage	<ul> <li>If the leaves and p means plant ready f</li> <li>Open the furrow spade, harvest all m</li> <li>Discard all moth harvested potato tui</li> <li>Keep 7 -10 days for the moisture level in</li> <li>Keep 25% seed for r</li> </ul>	or harvesting. with the help of lature tubers. her tubers from bers. or drying or reduce a shed dry.
Cowpea	Sowing stage	<ul> <li>Plough the field protection of times.</li> <li>Mix fertilizer with /ha.</li> <li>Sow 2-3 seed per with /bacing should be 3</li> </ul>	pperly, at least 2-3 FYM 50:60:60Kg hole. 30 X 20 cm.
Okra	Sowing stage	<ul> <li>Plough the field with</li> <li>Sow 2 seed 45 X 45</li> <li>Before sowing seed irrigation.</li> <li>Provide fertilizer @ 1</li> </ul>	cm spacing. provide one or two
ANIMAL HUSB		d Animala must loss	
Pig	All stages	vaccinate against sv available in State Ve	ea and dry bedding rovided to young nonths of age and 2 months of age vaccination under nst FMD. diet up to 5%. otable water. ather conditions vine fever (Vaccines eterinary Departs)
		Porcine1. Culling of positiveReproductive1.RespiratorySyndrome (PRRS).	
	·	Sal S	
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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

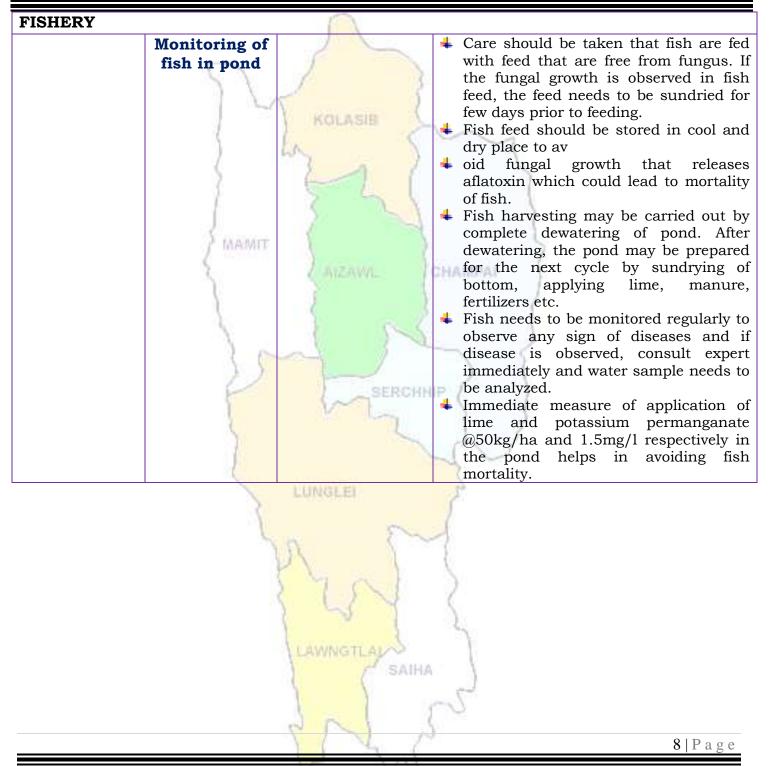


Cattle	All age group		4 In present weather conditions, special
outtio	IIII ago group		care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	21	1 5	wounds followed by application of
			antibiotics for five days is advised.
		KOLASIB	Provide UMB/Molases if possible in the
	(		feed
	)	way 3	Provide 10-30 ml of vitamin B-Complex
	S	2 1	in feed
	5		4 1 st injection at 6-8 weeks of age, 2nd
	E		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT		vet supervision.
	10000000		♣ Separate sick animals.
	1	ATZAWIL /	+ The animal should be washed with
			lukewarm water added with little
		5	potash (KMnO4) or neem leaves.
	S	1 55	Long hair near the
	1	1 3 4	udder/stomach/back legs should be
	105		teamed short.
Poultry	All age group	SERCHN	Provide preventive dose of anti-coccidial
•		- SERCINA	drugs to poultry.
	5		Proper ventilation of shed.
			Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
			birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3	and the second sec	Provide broad-spectrum antihelminthic
		0	drugs under vet supervision and
		n (~	recommended doses.
			+ Vaccination as per the schedule with
		M Real	proper consultation with vet.
			> Day old chick: HVT Marek disease
		22	vaccine, 4-7 days:- F/Lasota, 14-18
			days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		≓ SAIHA	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
			RD R-2B strain.
		2013	Remove wet litter.



**ICAR RESEARCH COMPLEX FOR NEH REGION** 







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

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



### **Expert committee members:**

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. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	:	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

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

LAWNGTLA SAIHA

9 | P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District:** Mamit

Bulletin	<b>No:</b> -	783,	/2018/	Bulletin/	Mizo
					0

Period: 11 April - 15 April, 2018

### Date of issue: 10th April, 2018

	S 1	P	49 V		
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018
Rainfall (mm)	3	8	13	7	4
Max Temp (°C)	32	32	31	31	32
Min Temp (°C)	16	17	17	17	17
Cloud Coverage	Partially clear	Mainly cloudy	Mainly cloudy	Partially clear	Mainly cloudy
Max RH (%)	87	96	99	90	91
Min RH (%)	27	39	56	32	38
Wind Speed (KmpH)	2	2	2	3	3
*Wind Direction	E	E	E	S-E	S-E
Souther	ly- <mark>S</mark> , South-V	Easterly- <mark>N-E</mark> , Eas Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Pre Mon	nsoon- March 1	l-31, 2018 (Percent	of deviation fro	m normal in pare	enthesis)
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m		10.51 mm
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary of	· · · · · · · · · · · · · · · · · · ·	11 th April – 1	.5 th April, 20	18 chhunga	sik leh sa
three day			dinhmun tu		
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):87- Minimum RH (%):54-0 Wind Direction: South Cloud cover: Mainly of Wind speed: 2-3 km/1 Rainfall: 34.7 mm	8°C 99% 69% heasterly cloudy	Tun ni 5 chhur tura beisei a ni. vawh lai ber in 94-96% leh a hn hi darkar khat zawngin a tleh s hian khawthiang Weekl	Khua a lum l 17ºC ni tura b iam lai berin 3 ah 3-4 km v rin a ni. A tla g tak hmuh bei	ai berin 31ºC a beisei a ni. RH 4-61% ni tur a rela chakin ch ngpuiin tun ni	a ni ang a. A san lai berin rin niin. Thli haklam awi nga chhung
NDVI for Mizoram		North East Region 29 far	Mildly dry districts of	condition oc Mizoram.	curs in all
		Y N	M		1   Page

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



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

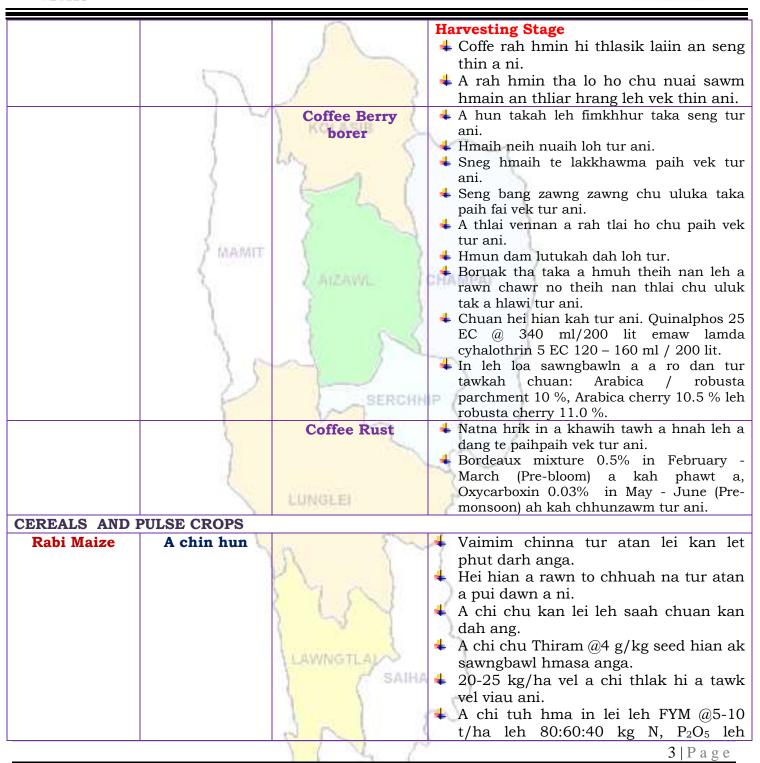


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		1	·
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 monthouse 2	velah dahkhawm tur ani.
LIME	)	La N	4 Thlai naupang deuah chuan chawlh
	(	3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		<b>4</b> A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
	20	Z AIZAWIL	leh a rah than that nan te leh a rah
PLUM AND			keh tur lakah t a veng thei ani.
PEACH	1		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
		canker, citrus	laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
		Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	10		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
		n ?~~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		the set b	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		( SAINA	ani. Ni 45 hara aralah a tiala thia a alay alay
			<b>4</b> Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2   P a g e



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







**ICAR RESEARCH COMPLEX FOR NEH REGION** 



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



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



Onion and	Numerous	KOLASIB	<ul> <li>awm thin a , hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> <li>A than a that theih nan nikhat danah</li> </ul>
capsicum	Nursery stage	Poly house	<ul> <li>tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>
	35	Phytopthora blight	<ul> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>
French bean	Sowing stage	LUNGLEI	<ul> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>
Carrot and radish	Sowing stage		<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>
		P N S	
		1 4 6	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 bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	<ul> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk chaw tha an mamawh tawk leh tu thianghlim an mamawh tawk an hmu tur ani a.
		P N S	<b>6</b>   P a g e



### ICAR RESEARCH COMPLEX FOR NEH REGION



		0-3 rd week	<ul> <li>Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.</li> <li>Ranikhet Disease- an pian atanga n</li> </ul>
	Preventive	U-3 " week	Ranikhet Disease- an pian atanga r 1-6 ah F1 vaccine pek tur ani a, chua
	measures	217	<ul> <li>a puitlingh chuan R₂B vaccine pek tu ani.</li> <li>B complex with antibodies</li> </ul>
		4 th weeks	
		T- WCCKS	Coccidiosis- Amprolium o coccidiostat
	/ MAGNIT	4-5 th Weeks	<ul> <li>Calcium tonic fortified with B₁₂</li> </ul>
FISHERY	5		
	Monitoring (Sangha enkawl)		<ul> <li>Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani.</li> <li>Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin.</li> <li>Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani.</li> <li>Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani.</li> <li>A ranglam a chinai @50kg/ha lei tuisen @1.5mg/l diltui a hman hiar sangha natna avang a thi tur la atangin a veng thei.</li> </ul>
		201	4 ⁰⁰⁵⁴
			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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	64	Meteorological Observer	evansmeteo@gmail.com

### **Collaborating Department:**

#### Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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**ICAR RESEARCH COMPLEX FOR NEH REGION** 

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

Guwahati)



### **District: Saiha**

Bulletin No: - 783/2018/ Bulletin/English

Period: 11 April – 15 April, 2018

Date of issue: 10th April, 2018

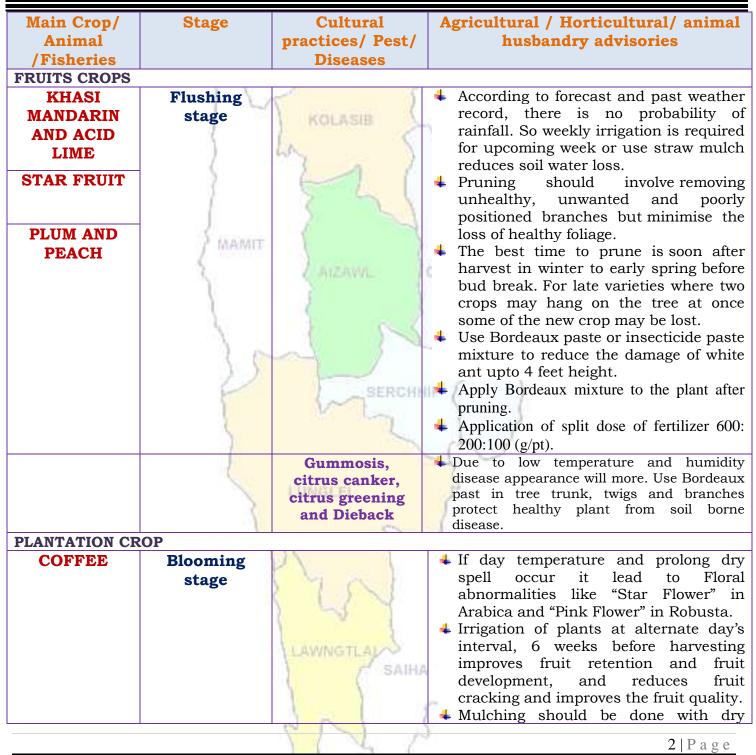
	1 1	ge -	(C)			
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	0	3	5	0	0	
Max Temp (°C)	31	31	31	31	31	
Min Temp (°C)	17	17	17	17	17	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	98	76	80	78	62	
Min RH (%)	31	36	30	25	23	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	E	E	E	
		Easterly- N-E, Easterly-				
		Westerly- <mark>S-W</mark> , We				
		1-31, 2018 (Percent				
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m		- 10.51 mm	
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		ip-6.37mm	
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)	
Weather summary	-	Weather fo		om 11 th April, 2	2018 To	
three day			15 th April,			
Maximum Tem. (°C):2		There are chance	es of light rain	fall during the	next 2 days.	
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5				
Maximum RH (%):87-		days may range	e for 31ºC an	d 17ºC. Maxir	num relative	
Minimum RH (%):48-		humidity is expe	cted in the ran	ge of 62-98% a	nd minimum	
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·	may from 23-36	%. Wind direc	tion would be	easterly with	
Cloud cover: Mainly o		the wind speed				
Wind speed: 2 km/hr		prevail during th	-	•	<i>J</i>	
Rainfall: 23.4 mm		P88	j			
Kainiali: 23.4 mm		Weekl	u cumulative i	rainfall: 08.0 1	mm	
		in contra	g cumulative i	ungun ooro i		
NDVI for Mizoram		North East Region 24 fa	Mildly day	condition oc	ours in all	
NDVI IOI MIZOIAIII		~	districts of		cuis in an	
		533	districts of	mizorani.		
		man de				
		249				
		A B	l Hereit			
		Agriculture rigour is moderate over some of the per region.	s North			
		201	30000			
		114	["		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** 



Soli moisture during winter.         The young fruit plant must be irrigated at weekly interval for bette establishment.         Rubber       Vegetative stage         Rubber       Vegetative stage         AMMT       According to forecast and past weathe record, there is no probability o rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.         Oil plam       Vegetative/ Harvesting stage         Oil plam       Vegetative/ Harvesting         Oil plam       Vegetative/ Harvesting stage         Vegetative/ Harvesting stage       Provide irrigation 10-15 days internal.         Provide irrigation of dry leaf mulch or paddy husi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thickness of about 8 cm. in the basi to a thick	ICAR			
Stage       record, there is no probability or rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.         Oil plam       Vegetative/ Harvesting stage       Make fire line around the field to saw from fire.         Oil plam       Vegetative/ Harvesting stage       Make fire line around the field to saw from fire.         Oil plam       Vegetative/ Harvesting stage       Provide irrigation 10-15 days internal.         * Application of dry leaf mulch or paddy husl to a thickness of about 8 cm. in the basin keeps down the weed growth and decrease the number of irrigation of split dose of fertilizer 600 200:100 (g/pt).         * Apply Bordeaux mixture to the plant after pruning.         * Fruits are harvested when they attain full size, develop attractive colour with optimum sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jfhurm)         Sowing stage		7	KOLASIB	<ul> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Foliar application of Mepiquat chloride (a) 1000 PPM concentration or 0.75% SSP (a) 1.5 g per 200 lt of water 15 days interval.</li> </ul>
Harvesting stage       * Application of dry leaf mulch or paddy husl to a thickness of about 8 cm. in the basin keeps down the weed growth and decrease the number of irrigations and also improve fruit quality.         * Application of split dose of fertilizer 600 200:100 (g/pt).         * Apply Bordeaux mixture to the plant afte pruning.         * Fruits are harvested when they attain ful size, develop attractive colour with optimun sugar and acid blend.         CEREALS AND PULSE CROPS         Maize (Jhum)       Sowing stage         * Remove all weed plant from the selected place.         * Keep the plant, leaves and wood for dry.	Rubber	stage	AIZAWL	<ul> <li>record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.</li> <li>Farmers can go for tapping upto last week of January.</li> <li>Make fire line around the field to save from fire.</li> <li>Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as</li> </ul>
Maize (Jhum)       Sowing stage       Remove all weed plant from the selected place.         Keep the plant, leaves and wood for dry.		Harvesting stage		<ul> <li>Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality.</li> <li>Application of split dose of fertilizer 600: 200:100 (g/pt).</li> <li>Apply Bordeaux mixture to the plant after pruning.</li> <li>Fruits are harvested when they attain full size, develop attractive colour with optimum</li> </ul>
(Jhum) selected place. Keep the plant, leaves and wood for dry.		1	Francing a	<b>4</b> Remove all weed plant from the
210.000			SAIHA	selected place. Keep the plant, leaves and wood for
1 P A Ø E			PN A	3   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



	$\sum_{i=1}^{n}$	KOLASIB	<ul> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> <li>Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul>
Rice (Jhum) VEGETABLE CR	Sowing stage	AIZAWL	<ul> <li>Remove all weed plant from the selected place.</li> <li>Keep the plant, leaves and wood for dry.</li> <li>Burn it when it will be dry.</li> <li>Open a furrow with the help of chimkhawi.</li> <li>Keep 4-5 seeds a hole.</li> <li>Distance should be maintain 60 cm from plant to plant.</li> </ul>
Ginger and turmeric	Sowing stage		<ul> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one</li> </ul>
Onion	Bulb formation stage	Poly house LAWNGTLAL SAIHA	<ul> <li>month and 25% at flowering stage.</li> <li>Provide irrigation every alternate day due to non availability of rain.</li> <li>Intercultural operations should be</li> </ul>
		VIL /	4   P a g e



**ICAR RESEARCH COMPLEX FOR NEH REGION** 



		A	<ul> <li>applied 30-40 days after transplanting</li> <li>Provide irrigation if water is require.</li> <li>Low temperature and high humidities</li> </ul>
	52	23	<ul> <li>Low temperature and high number influence the population of onion trips</li> <li>Apply any systemic insecticide 1. ml/lt of water.</li> </ul>
Capsicum	Flowering to fruiting stage	Poly house	<ul> <li>Intercultural operations should be dorn regularly to keep the crop free from weeds and aeration of the root system.</li> <li>Harvest all mature fruits.</li> </ul>
	1	24	<ul> <li>Provide irrigation if water is require.</li> <li>Apply any systemic insecticide reduce damage of chilli thrips.</li> </ul>
Brinjal	Fruiting to flowering stage	AIZAWL	According to forecast and past weather record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
	25	SERCHH	<ul> <li>Harvest all mature fruits.</li> <li>Apply split dose of nitrogenou fertilizer to the plant.</li> <li>Fruit and shoot borer attack will man in dry weather. Apply any systemat</li> </ul>
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<ul> <li>insecticide for better cure.</li> <li>Harvest all mature fruit.</li> <li>Seed must be keep for next ra season.</li> </ul>
Chilli	Vegetative to flowering stage		According to forecast and past weath record, there is no probability rainfall. So weekly twice irrigation required for upcoming week or us straw mulch reduces soil water loss.
		12M	 Harvest all mature fruits. Apply split dose of nitrogenou fertilizer to the plant. Mature fruit should be harvested and
		SAIHA	In large gardens apply carbaryl 0.2 per cell or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l fortnightly intervals at flowering and fru- initiation.
		PN S	5 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			
Potato	Harvesting stage	 If the leaves and plant becaumeans plant ready for harvest Open the furrow with the spade, harvest all mature tube Discard all mother tube harvested potato tubers. Keep 7 -10 days for drying of the moisture level in shed dry Keep 25% seed for next season 	ing. help of ers. rs from or reduce
Cowpea	Sowing stage	 Plough the field properly, at times. Mix fertilizer with FYM 50 /ha. Sow 2-3 seed per whole. Spacing should be 30 X 20 cm 	least 2-3):60:60Kg n.
Okra	Sowing stage	 Plough the field with the help Sow 2 seed 45 X 45 cm spacin Before sowing seed provide or irrigation. Provide fertilizer @ 120: 60: 60 	ng. ne or two
ANIMAL HUSB		A given by several bases in the	
Pig	All stages	vaccinate against swine fever available in State Veterinary I	y bedding o young age and s of age on under o 5%. er. onditions (Vaccines Departs)
		Porcine Reproductive Respiratory1. Culling of positive pigs or pigSyndrome (PRRS).	lets.
		S S S	
		6	Page

6 | P a g e



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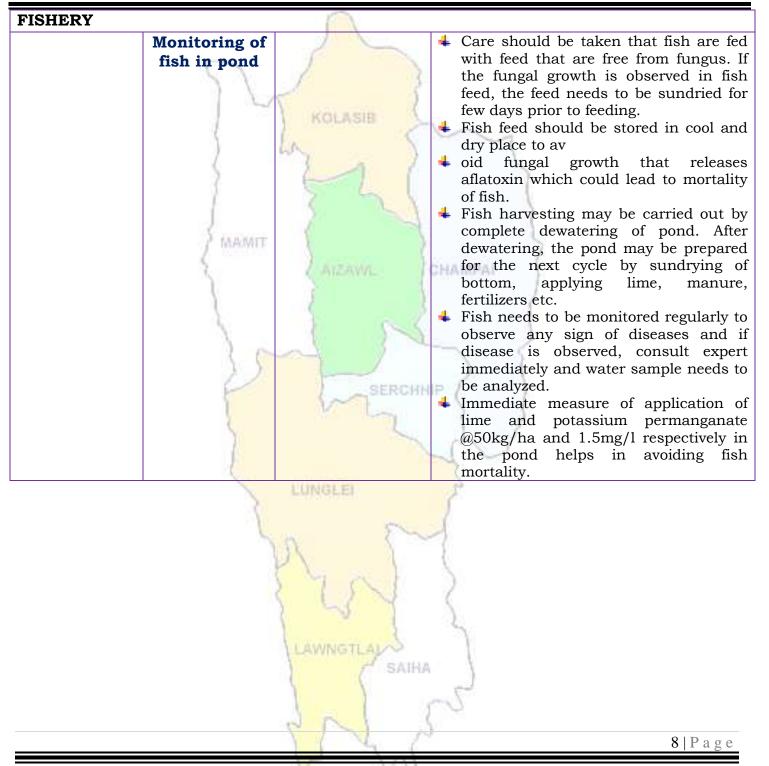


Cattle	All age group		4 In present weather conditions, special
			care should be taken against attack of
			maggots in the wounds of animals.
			Application of turpentine oil in the
	2.1	1 2	wounds followed by application of
		5)	antibiotics for five days is advised.
		KOLASIB	 Provide UMB/Molases if possible in the
	(0.00	feed
)	way in the	Provide 10-30 ml of vitamin B-Complex
	S	2 1 1	in feed
	5	and a second second	4 1 st injection at 6-8 weeks of age, 2nd
	E		injection after 6 months of 1 st injection
			followed by annual vaccination under
	MAMIT	1	vet supervision.
	2 mass() ()		 Separate sick animals.
	3.	ATZAWIL	4 The animal should be washed with
			lukewarm water added with little
		6 5	potash (KMnO4) or neem leaves.
	S	1 55	Long hair near the
		V 3 M	udder/stomach/back legs should be
	5.0		teamed short.
Poultry	All age group	at the second	Provide preventive dose of anti-coccidial
	18- 8I	SERCHH	drugs to poultry.
	1	No. Long	Proper ventilation of shed.
	S		+ Provide glucose/electral along with
			vitamin supplements (@5- 6ml/100
	1		birds) with adequate potable water
		LUNGLEI	Avoid overcrowding.
	3	and a state of the state of the	Provide broad-spectrum antihelminthic
	1	1000	drugs under vet supervision and
	5	n (~~	recommended doses.
		35 1	+ Vaccination as per the schedule with
			proper consultation with vet.
		2 1 5 53	Day old chick: HVT Marek disease
		1 55 7	vaccine, 4-7 days:¬ F/Lasota, 14-18
		1 1 1	days: Intermediate plus/IBD
		LAWNGTLAN	vaccine, 35 days: F/Lasota, 6-7
		- SAIHA	weeks: Chicken embryo adopted
		((Shink	fowl pox vaccine and 56-70 days:
			RD R-2B strain.
			4 Remove wet litter.
		C' N	



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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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	1	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomol</mark> ogy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana		Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem		Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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



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

Guwahati)



District: Saiha

Bulletin	No: -	783/2018/	/ Bulletin/Mizo	

Period: 11 April – 15 April, 2018

Date of issue: 10th April, 2018

			413			
Parameters	11.04.2018		13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	0	3	5	0	0	
Max Temp (°C)	31	31	31	31	31	
Min Temp (°C)	17	17	17	17	17	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	98	76	80	78	62	
Min RH (%)	31	36	30	25	23	
Wind Speed (KmpH)	4	4	4	4	4	
*Wind Direction	E	E	E	E	E	
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	·	
Souther	rly- <mark>S</mark> , South-	Westerly- <mark>S-W</mark> , W	Vesterly-W, Nort	h-westerly- N-W		
Status of Pre Mo	nsoon- March	1-31, 2018 (Percen	nt of deviation fro	om normal in par	enthesis)	
Aizawl- 8.42 mm	Champh	ai- 9.28 mm	Saiha- 11.37 n	nm Kolasit	- 10.51 mm	
(4.20mm)		(5.10mm)	(3.6 0r	nm)	(10.80mm)	
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m	m Serchl	11p-6.37mm	
(3.40mm)	_	(4.10mm)	(8.30n	nm)	(5.20mm)	
Weather summary	of the past	11 th April –	15 th April. 20	018 chhunga	sik leh sa	
three day	-	11 th April – 15 th April, 2018 chhunga sik leh sa dinhmun tur tlangpui				
		T : 0 11				
Maximum Tem. (°C):2 Minimum Tem. (°C):1		Tun ni 2 chhu	0			
· · · · ·		tura beisei a n				
Maximum RH (%):87- Minimum RH (%):48-		vawh lai ber in 17°C ni tura beisei a ni. RH san lai berin of				
		62-98% leh a hniam lai berin 23-36% ni tur a rin niin. Thli				
Wind Direction: Sout	✓	hi darkar khata	ah 4 km vela cl	nakin chhaklan	n awi zawngin	
Cloud cover: Mainly of	· · · · · · · · · · · · · · · · · · ·	a tleh rin a r	ni. A tlangpuii	n tun ni nga	chhung hian	
Wind speed: 2 km/hr	·	khawthiang tak	01	U U	U	
Rainfall: 23.4 mm						
Kainiali: 23.4 mm		Weel	cly cumulative	rainfall: 08.0	mm	
			lig cumulative	rungun oo.o		
NDVI for Mizoram		North East Region 2	Mildlar da	a condition	0.011#00 in 0.11	
MDVI IOF MIZOFAM			Milaly al	y condition o	ccurs in all	
		23	districts of	Mizoram.		
		Sea 1				
		20				
		00	:]			
		No. Agriculture region is moderate over some of the	parts North			
		april 1				
		1 / V	10		1 P a g e	
					0 -	

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



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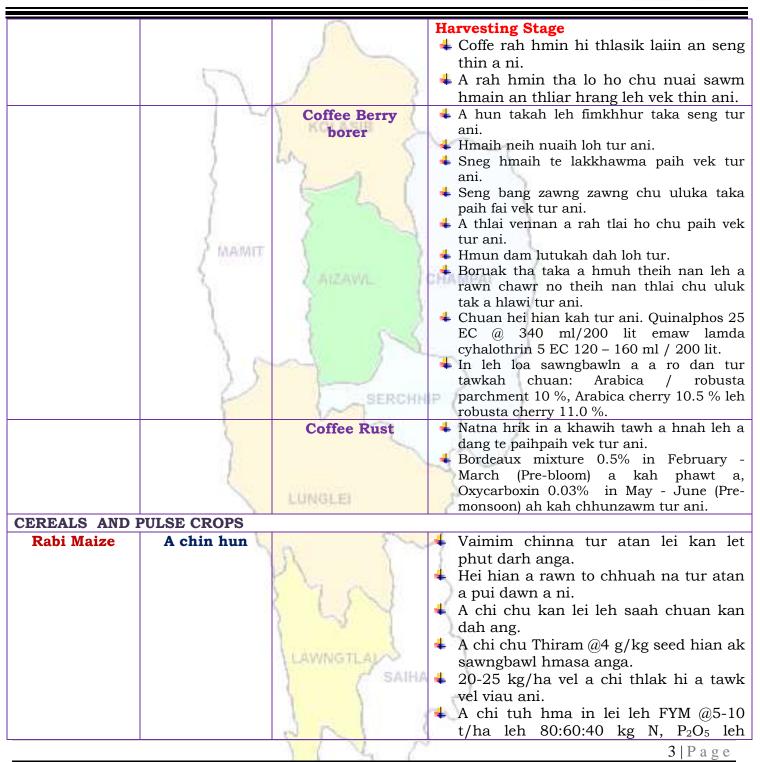


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	l
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		1 NOLMOID >	velah dahkhawm tur ani.
LIME)	LA N	4 Thlai naupang deuah chuan chawlh
	(3 4 1	kar tin a tui pek thin tur ani.
BANANA	2		4 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1 meaning	5	taka pek hian a rah tla tur chelh nan
PLUM AND	30	ATZAWIL I	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
РЕАСП	1		Transmenterer huiser hetel. 1-h. husererer sone
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna
	1	canker, citrus	laka vennan Bordeaux past hi thing zar leh
	500	greening and Dieback	a trangah te hnawih tur ani.
	11		 Huan zau takah chuan a par tan tirh leh a
		Fruit fly RCHH	rah tan tirin chawlhkar hnih chhung chu
	6	V La	heng te hian enkawl tur ani: carbaryl 0.2
	S		percent emaw malathion 0.15 percent
			suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR		LUISGEEZ	
COFFEE	All stages	(TOPOD SPOTS)	Nursery stage
	1	0.00	+ Thlai chi thlak hma in <i>Azospirillum</i> leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		Mar and	zawl/rualrem 1.5 - 2.5 cm a in hlatin
			tlar mumal tak siam in chin tur ani.
	1	55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		- SAIHA	ani.
			$\stackrel{\text{and}}{=}$ Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
	l	2810	and an out of thirday for third all.
		V V A	2 P a g e
		-	2 1 age



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



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Onion and	Numoor	KOLASIB	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	Nursery stage	Poly house	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage		 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam
		PN 2)
			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.
	AMAINIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 Vawknote emaw vawk lak hran. CHAMPAL
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		900	6 P a g e



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	2	\sum	 Tui an in tur chhawpna tur tha /liat tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga r
	measures	1217	1-6 ah F1 vaccine pek tur ani a, chua a puitlingh chuan R ₂ B vaccine pek tu ani.
	1		B complex with antibodies
		4 th weeks	4 Coccidiosis- Amprolium o
	FINAMIT		coccidiostat
	1 meaning	4-5 th Weeks	+ Calcium tonic fortified with B_{12}
FISHERY	1	(AIZAWIL)	CHAMPAI }
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		6 5 1	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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	1	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	l:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	2:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	M	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Bulletin No: - 783/2018/ Bulletin/English

Period: 11 April – 15 April, 2018

Date of issue: 10th April, 2018

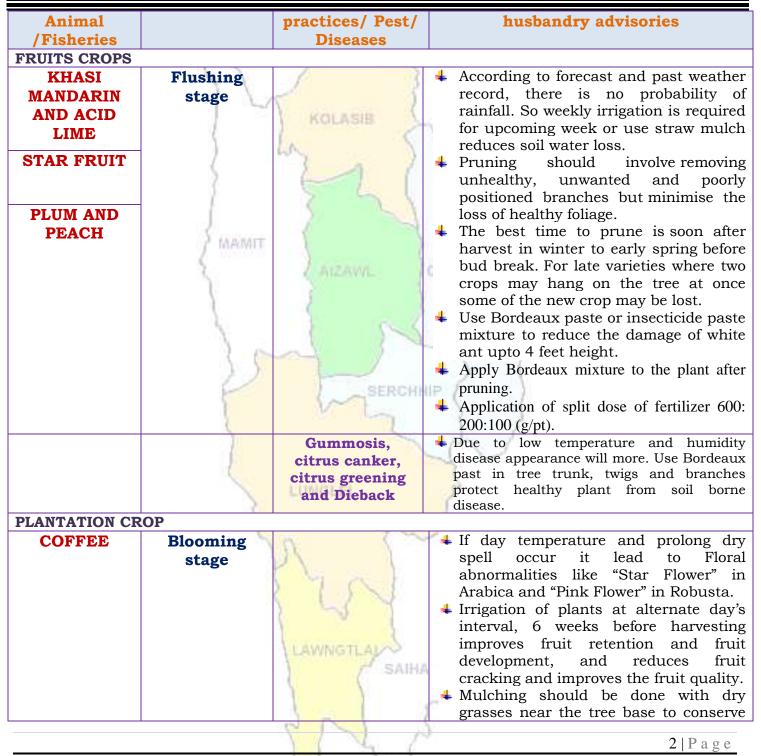
	S 1	ije i	1			
Parameters	11.04.2018	12.04.2018	13.04.2018	14.04.2018	15.04.2018	
Rainfall (mm)	0	5	3	0	0	
Max Temp (°C)	30	30	30	30	30	
Min Temp (°C)	14	14	14	14	14	
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear	
Max RH (%)	100	92	89	90	80	
Min RH (%)	39	45	36	30	27	
Wind Speed (KmpH)	2	2	4	4	4	
*Wind Direction	E	E	E	E	E	
Souther	rly- <mark>S</mark> , South-	Easterly- N-E, Eas Westerly- S-W, We	sterly-W, North	-westerly- N-W.		
Aizawl- 8.42 mm		1-31, 2018 (Percent	of deviation from Saiha - 11.37 m		• 10.51 mm	
(4.20mm)	Champh	ai- 9.28 mm (5.10mm)	(3.60m) (3.60m		(10.80mm)	
			Mamit-8.21m		ip-6.37mm	
(3.40mm)	Dungh	(4.10mm)	(8.30m		(5.20mm)	
Weather summary	of the nest	Weather forecast valid from 11 th April, 2018 To				
three day	· · · · · · · · · · · · · · · · · · ·	15 th April, 2018.				
Maximum Tem. (°C):2		There are chances of light rainfall during the next 2 days.				
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5				
Maximum RH (%):87-		days may range for 30°C and 14°C. Maximum relative				
Minimum RH (%):48-						
Wind Direction: Sout		humidity is expected in the range of $80-100\%$ and				
Cloud cover: Mainly	· · · · · · · · · · · · · · · · · · ·	minimum may from 27-45%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Partially				
Wind speed: 2-3 km/	· · · · · · · · · · · · · · · · · · ·	2	–	–	•	
•		clear sky will prevail during the next five days.				
Rainfall: 25.6 mm		Weekly cumulative rainfall: 08.0 mm				
NDVI for Mizoram		North East Region 29 Jun 20	Mildly dry	condition oc	curs in all	
			districts of			
	C (region,		1 / 77 1.	1/ • •	
Main Crop/	Stage	Cultural	Agricultur	al / Horticultu	iral/ animal	
					1 Page	

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



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	T.	KOLASIB	 soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.
Rubber	Vegetative stage	AIZAWA	 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss. Farmers can go for tapping upto last week of January. Make fire line around the field to save from fire. Dig a pit (size 1.5 ft X 1.0 ft X 1.0 ft) between 4 plants. Store dried leaves in the pit and after 4 months it can use as manure.
Oil plam	Vegetative/ Harvesting stage		 Provide irrigation 10-15 days internal. Application of dry leaf mulch or paddy husk to a thickness of about 8 cm. in the basin keeps down the weed growth and decreases the number of irrigations and also improves fruit quality. Application of split dose of fertilizer 600: 200:100 (g/pt). Apply Bordeaux mixture to the plant after pruning. Fruits are harvested when they attain full size, develop attractive colour with optimum
			sugar and acid blend.
CEDEALS AND			
CEREALS AND Maize (Jhum)	Sowing stage	LAWNGTLAL	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for dry. Burn it when it will be dry.
Maize			selected place.Keep the plant, leaves and wood for dry.



ICAR RESEARCH COMPLEX FOR NEH REGION



		~	 Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole. Distance should be maintain 60 cm
	15	KOLASIB	 From plant to plant. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with
		my l	80:60:40 kg N, P_2O_5 and K_2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Rice (Jhum)	Sowing stage	AIZAWA	 Remove all weed plant from the selected place. Keep the plant, leaves and wood for
	}		 dry. Burn it when it will be dry. Open a furrow with the help of chimkhawi. Keep 4-5 seeds a hole.
VEGETABLE CR	OP OP	- CERCHIN	Distance should be maintain 60 cm from plant to plant.
			4 Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	~	 @4 g/kg seed. Use optimum seed rate (50-60 kg/ha) for desire plant population.
	2		Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing.
	- 11	Mr.	Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.
Onion	Bulb	Poly house	+ Provide irrigation every alternate day
	formation		due to non availability of rain.
	stage	LAWNGTLAN	Intercultural operations should be done regularly to keep the crop free
		SAIHA	from weeds and better growth of bulb.
			 Remaining quantity of nitrogen is applied 30-40 days after transplanting.
L	1	N N N	applied oo to dayo alter transplaiting.
			4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	\wedge	 Provide irrigation if water is require. Low temperature and high humidity influence the population of onion trips. Apply any systemic insecticide 1.5 ml/lt of water.
Capsicum	Flowering to fruiting stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Harvest all mature fruits. Provide irrigation if water is require. Apply any systemic insecticide to reduce damage of chilli thrips.
Brinjal	Fruiting to flowering stage	AIZAVA	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Fruit and shoot borer attack will mare in dry method.
Chilli	Vegetative to flowering stage	LUNGLEI	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Harvest all mature fruits. Apply split dose of nitrogenous fertilizer to the plant. Mature fruit should be harvested and In large gardens apply carbaryl 0.2 per cent
		LAWNGTLAL	or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at
Potato	Harvesting	221	If the leaves and plant became dry it means plant ready for harvesting.
		1 CL	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



	stage		4	Open the furrow with the help of
	0			spade, harvest all mature tubers.
			4	Discard all mother tubers from
				harvested potato tubers.
	21	1 5	4	Keep 7 -10 days for drying or reduce
		0	-	the moisture level in shed dry.
		KOLASIE		Keep 25% seed for next season sowing.
0	O	1		
Cowpea	Sowing stage	La l	+	Plough the field properly, at least 2-3
	(1 0 1		times.
	2		-	Mix fertilizer with FYM 50:60:60Kg
	1	2 5		/ha.
		$P \ge A$	+	Sow 2-3 seed per whole.
	1		-	Spacing should be 30 X 20 cm.
Okra	Sowing stage	X 2	+	Plough the field with the help of spade.
	S	LARZAWL I	÷.	Sow 2 seed 45 X 45 cm spacing.
	1	Concerne 1	4	Before sowing seed provide one or two
		5 5		irrigation.
	1	5	-	Provide fertilizer @ 120: 60: 60 Kg/ha
ANIMAL HUSBEN	IDARY	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
Pig	All stages	~ ~ ~ ~ ~	-	Animals must keep in dry place or
0	105			kept in alleviated area and dry bedding
	0	STROUGH STR	i en se	(straw) to be provided to young
		SERCHN	11- (animals.
	5		- 📣	1 st injection at 6 months of age and
	5			2nd injection at 12 months of age
			1	followed by annual vaccination under
	1		-	vet supervision against FMD.
		LUNGLEI	4	Reduce concentrate diet up to 5%.
	2	Period States and Stat	4	Provide adequate potable water.
	1		4	In present weather conditions
	L.		1	vaccinate against swine fever (Vaccines
		11	11	available in State Veterinary Departs)
		Porcine	1	. Culling of positive pigs or piglets.
		Reproductive	0	. coming of positive pige of pigicts.
		Respiratory	1	
		Syndrome (PRRS).	2	
Cattle	A11 ago group	A COMPANY AND A COMPANY AND A COMPANY AND A COMPANY		In present weather conditions, special
Calle	All age group	LAWNGTLAL		care should be taken against attack of
		/ SAIHA		
			1	maggots in the wounds of animals.
			1	Application of turpentine oil in the
		ARI		wounds followed by application of
		VIV A		6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Poultry	All age group	KOLASIB	 antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with
Poultry	All age group		4 Provide preventive dose of anti-coccidial
Foultry	An age group	6 3	
		1 all	
			- //
	3.0		
	11		•••••••••••••••••••••••••••••••••••••••
		SERCHN	
	1	V La	
	5		
	1		
	1		
		LUNGLEI	proper consultation with vet.
	2		Day old chick: HVT Marek disease
	1	0.0	vaccine, 4-7 days:¬ F/Lasota, 14-18
	5	n (~~	days: Intermediate plus/IBD
			vaccine, 35 days: F/Lasota, 6-7
		(M AL)	weeks: Chicken embryo adopted
			fowl pox vaccine and 56-70 days:
		2 -3 1	RD R-2B strain.
BIAIIBEI			4 Remove wet litter.
FISHERY		LAWNGTLAL	
	Monitoring of) / SAIHA	4 Care should be taken that fish are fed
	fish in pond		with feed that are free from fungus. If
		1	the fungal growth is observed in fish
		N N	feed, the feed needs to be sundried for
			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)



few days prior to feeding. **4** Fish feed should be stored in cool and dry place to av 🔸 oid fungal growth that releases aflatoxin which could lead to mortality of fish. KOLASIB Fish harvesting may be carried out by complete dewatering of pond. After dewatering, the pond may be prepared for the next cycle by sundrying of bottom. applying lime, manure, fertilizers etc. Fish needs to be monitored regularly to observe any sign of diseases and if MAMIT disease is observed, consult expert immediately and water sample needs to be analyzed. **4** Immediate measure of application of lime and potassium permanganate @50kg/ha and 1.5mg/l respectively in the pond helps in avoiding fish mortality. LAWNGTLA SAIHA 8 | 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	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	5:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	1	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

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

LAWNGTLA SAIHA

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ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Bulletin	No: -	783,	/2018/	Bulletin	/Mizo
					10

Period: 11 April - 15 April, 2018

Date of issue: 10th April, 2018

		\mathbb{R}^{2}	4.1		
Parameters	11.04.2018		13.04.2018	14.04.2018	15.04.2018
Rainfall (mm)	0	5	3	0	0
Max Temp (°C)	30	30	30	30	30
Min Temp (°C)	14	14	14	14	14
Cloud Coverage	Partially clear	Partially clear	Partially clear	Partially clear	Partially clear
Max RH (%)	100	92	89	90	80
Min RH (%)	39	45	36	30	27
Wind Speed (KmpH)	2	2	4	4	4
*Wind Direction	E	E	E	E	E
		Easterly- N-E, Easterly-			
		Westerly- <mark>S-W</mark> , We			
		1-31, 2018 (Percent			
Aizawl- 8.42 mm	Champh		Saiha- 11.37 m		b- 10.51 mm
(4.20mm)		(5.10mm)	(3.60m		(10.80mm)
Lawngtlai-7.84mm	Lungle	ei-6.35mm	Mamit-8.21m		hip-6.37mm
(3.40mm)		(4.10mm)	(8.30m		(5.20mm)
Weather summary	-	11 th April – 1	.5 th April, 20	18 chhung	a sik leh sa
three day	S	(dinhmun tu	r tlangpui	
Maximum Tem. (°C):2 Minimum Tem. (°C):1 Maximum RH (%):87- Minimum RH (%):48-3 Wind Direction: South Cloud cover: Mainly of Wind speed: 2-3 km/1 Rainfall: 25.6 mm	5-16°C 98% 56% heasterly cloudy		Khua a lum l 14ºC ni tura b nniam lai berin hatah 2-4 km rin a ni. A tla g tak hmuh bei y cumulative	ai berin 30°C beisei a ni. RH n 27-45% ni vela chakin ngpuiin tun r sei a ni. rainfall: 08.0	a ni ang a. A I san lai berin tur a rin niin. chhaklam awi ni nga chhung Dmm
NDVI for Mizoram		North Last Nagon 31 far	Moderately conditions	wet mildly o	lry/mildly wet
		VIL	19		1 Page



ICAR RESEARCH COMPLEX FOR NEH REGION

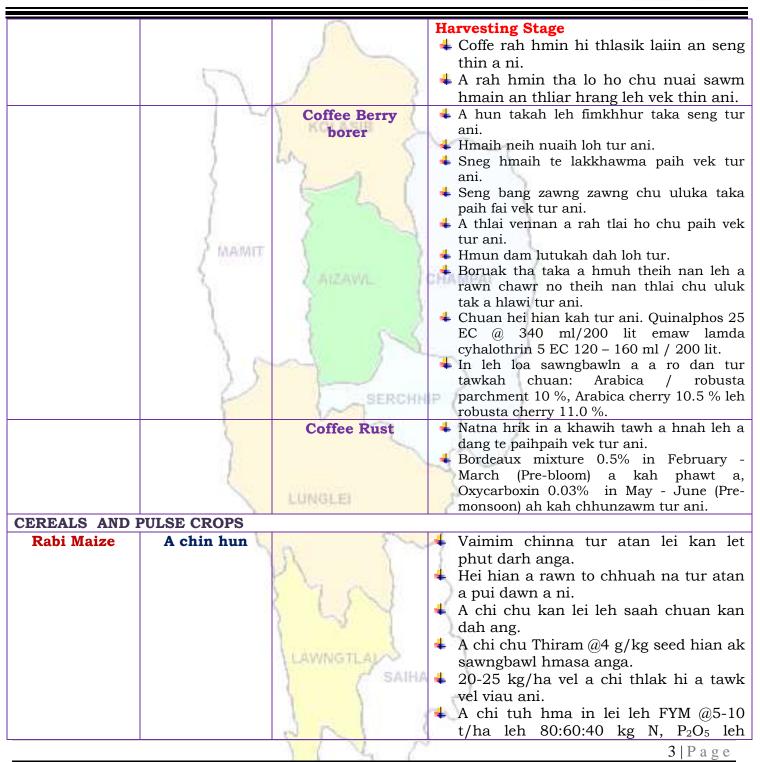


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	I
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID 2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



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	2	\bigwedge	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 SERCHH	 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
		N N N	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and Nursery stage Poly house 4 A	wm thin a , hei hi natna tlanglawn er ani. hlai hna lam chi leh zikhlum lam hi reng reng enkawl nan Mancozeb) 2gm ah tui leter 1 pawlha kah ur ani.
MAMIT A MARKET	than a that theih nan nikhat danah ai pek thin tur ani. hlai bul vawn hnawn nana thlai bula nim ring vawm khawm hi tui pek awhah dah tur ani. hlai chhina hmun (nursery) hi hnim a b loh nan Pendimethalin @ 3.5ml hi ai liter 1 zelah pawlh a kah hi a tha le ani.
blight er (A + Hi er ox	chi ven that nan thiram 3g/kg seed maw Trichoderma viride 4g+ metalaxyl 4g Apron)/ kg seed hi a tha hle ani Ineh taka 1% Bordeaux chawhpawlh maw 2 g captan emaw 3 copper xychloride a tui liter 1 hi 10-15 DAS a ek hi a tha hle ani.
a. in 4 A 1 na	ai pek a hnihnah hringa khuh tur ani than a that theih nan tui pek hma lei rin pan hmasak tur ani. than duna theih nan leh hnim to loh a turin a kung bulah lei vur chhoh zel r ani.
radish tu 4 Tu 1 Tu 1 Tu 1 Tu 1 Tu 1 Tu 1 Tu 1 Tu 1	than a that theih nan nikhat danah ui pek thin tur ani. ui pek hnuah thlai bul vawn hnawn a tur siam tur ani. ikhlum lam chi ah chuan sik leh a vangin a hnah ah thil dum a awn awm thina, hei hi natna anglawn ber ani. 'hlai hna lam chi leh zikhlum lam
	hi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 wawlha kah tur ani.



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ANIMAL HUSBE	ENDARY		
Pig	All stages	KOLASIB	 Khua a vawh hian vawk hian an mahning in tih lumna tur atan chakna an mamawhna a sang bik ani. An hriselna that leh that loh enfiahrenga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hleani.
	{ MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atar buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	 Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a. An hriselna atan enkawlna tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.
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	2	\sum	 Tui an in tur chhawpna tur tha /lia tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga r
	measures	~ ?	1-6 ah F1 vaccine pek tur ani a, chua a puitlingh chuan R ₂ B vaccine pek tu ani.
			B complex with antibodies
		4 th weeks	4 Coccidiosis - Amprolium o
	FINAMIT		coccidiostat
	2. 00850303	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	5	ANZAWIL	CHAMPAL
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai l chauh pek thin tur ani. Sangha chaw lo hmuar anih chuan pek hma in ni s a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turi hmun ro leh uap lutuk lo ah dahtha tur ani a, hmuar atang a tur lo insear thin, aflatoxin avang a sangha thi la atangin sangha a him phah thin. Dil sah kang veka sangha man thi hian a kumleh a sangha khawinan a d buatsaih a ti awlsam a, dil mawn phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him er tih enfiah fo a tha a, natna hmuh ani chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha le tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		6 N 2	
		1 4 6	7 P a g e



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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	N:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scientist (Plant Pathology)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	1:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	1:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Evans Syiem	64	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Name of the **Programme Coordinator KVK Email Id** Phone no/ KVK Name and Designation Mobile no Dr. Lalmuanzovi kvkhnahthial@gmail.com 9862803750 **KVK** Lunglei : Head & Sr. Scientist 9436154614 KVK, Kolasib Mr. Lalrosamga Khiangte kvkkolasib@gmail.com 9436152440 : Head & Sr. Scientist Mr. K. Laltlanmawia kvkserchhip@gmail.com KVK, Serchhip 9436146115 1 Head & Sr. Scientist 9615389293 Mrs. Lalrinawmi Renthlei kvkkhawzawl@gmail.com KVK, Champhai 9436159788 : Head & Sr. Scientist KVK, Lawngtlai Dr. Michel Lallawmkimi kvklawntlai@gmail.com 9436155858 : Head & Sr. Scientist Dr. Vanlalhruaia Hnampe KVK, Saiha kvksaiha@gmail.com 8974656509 : Head & Sr. Scientist KVK, Mamit : Dr. Samuel Lalliansanga kvkmamit@gmail.com 9436147625 Head & Sr. Scientist Kpchy@rediffmail.com KVK, Aizawl Dr. K. P. Chaudhary 9436351669 : kvkaizawl@rediffmail.com Head & Sr. Scientist



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