

ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Aizawl

Period: 31 January – 04 February, 2018

Bulletin	No: -	766	/2018/	Bulletin	/English	-
----------	-------	-----	--------	----------	----------	---

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	24	24	24		
Min Temp (°C)	8	8	8	9	9		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	30	28	23	20	17		
Wind Speed (KmpH)	2	3	3	3	3		
*Wind Direction	E	S-E	S-E	E	S-E		
		Easterly- N-E, Ea					
		Westerly- <mark>S-W</mark> , We					
Status of Post Mon							
Aizawl- 18.1mm	Champh	ai- 12.00mm	Saiha- 13.9 m		b- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)		
Weather summary		Weather forecast valid from 31st January, 2018 To					
three day		04 th February, 2018.					
Maximum Tem. (°C):2 Minimum Tem. (°C): 3 Maximum RH (%):72- Minimum RH (%):38-4 Wind Direction: south Cloud cover: Clear sk Wind speed: 0-2 km/1 Rainfall: 00.0 mm NDVI for Mizoram	8-10°C 81% 47% heasterly Sy	There are no ch The maximum a days may range humidity is expo- may from 17-30 southeasterly to speed of 2-3 km next five days. Weekl	and minimum for 24-26°C and ected in the ra 0%. Wind direct easterly and so per hour. Clear y cumulative of Mildly dry districts of	temperatures fond 8-9°C. Maxinge of 100% a ection would b southeasterly w ar sky will preva	or the next 5 mum relative nd minimum e easterly to vith the wind ail during the mm		
		C.S.	2		1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION

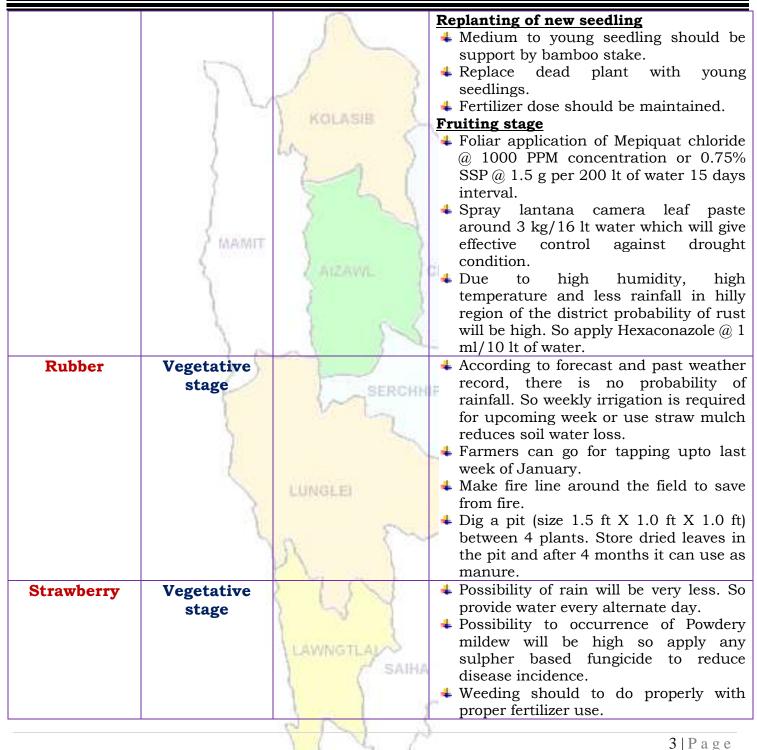


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI MANDARIN	Harvesting stage	KOLASIB	4 According to forecast and past weather record, there is no probability of rainfall.
AND ACID LIME		hy S	So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	7	52(First harvest can be done 5 to 6 years after planting.
STAR FRUIT	AMAMIT		Fruits are harvested when they attain full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	2	AIZAWL	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet
	25	SERCH	 weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of
	}	m	 three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	~		↓ In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne diagage
PLANTATION CR			disease.
COFFEE		LAWNETT ALSO	4 According to forecast and past weather
COFFEE	Fruiting stage	SAIHA	v i
		8 1 1	
			2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



		1	
			4 The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
	1000 C	5	digging.
		1	4 Harvesting consists of digging of
	1	1 3	underground clumps of rhizomes
	1 had	S	with pick axe or digging fork.
		KOLASIB	Fingers are separated from mother
	5	6.	rhizomes.
)	60 y	4 Wash clumps of rhizomes with water
	S	2 0	and keep it for sundry.
	5		↓ Seed stock will be store from partially
	1	C A	dry sample.
			4 Cut the rhizome to small pieces for
	MAMIT	1	proper drying.
Early cole	Vegetative		+ According to forecast and past weather
crop	stage	A AIZAWIL	record, there is no probability of
crop	Stage		rainfall. So weekly twice irrigation is
		< S	required for upcoming week or use
		5 64	straw mulch reduces soil water loss.
			4 Intercultural operations should be done
	1		regularly to keep the crop free from
	12		weeds and aeration of the root system.
	1	SERCHN	+ Remaining quantity of nitrogen is
	1	No Long	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
O mon	stage	Tory nouse	done regularly to keep the crop free
	Stage		from weeds and aeration of the root
		LUNGLEI	system.
	2	PENALS STREET	4 Remaining quantity of nitrogen is
	1		applied 30-40 days after transplanting.
	5	n 2~	Provide irrigation if water is require.
		38. 1	↓ Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
			(Apron)/ kg seed
		1 55 7	+ Drenching 1% Bordeaux mixture or 2 g
			captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vogototino	LIAWNETT ALSO	
r rench bean	Vegetative	SAIHA	Possibility of rain will be less coming five down So alternate irrigation should
	stage	(SAINA	five days. So alternate irrigation should be done 2 days interval.
			 Intercultural operations should be done
			regularly to keep the crop free from
		P A A	
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato	Vegetative	\bigwedge	 (Apron) / kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride / lt of water at 10-15 DAS are effective. Earthing up should be done near to
Fotato	stage	5	the plant for better growth of tubers
		KOLASIB	and avoid greening of tuber.
	AMAMIT	man and	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBEI	NDARY	· · · · ·	
Pig	All stages	Porcine Reproductive Respiratory	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
		Syndrome (PRRS).	{
Cattle	All age group	LAWNGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		8 N 2	710
		4 6	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

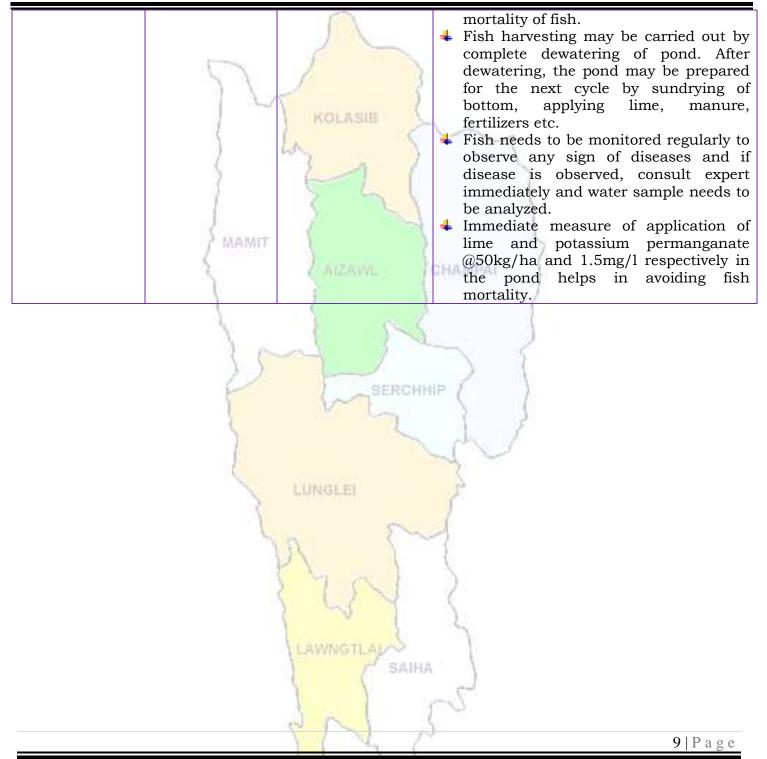


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair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



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	:	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:

Programme Coordinator Name of the **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

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Aizawl

Period: 31 January - 04 February, 2018

Bulletin	No: -	766/	/2018/	Bulletin/	'Mizo
			1	1	R

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	24	24	24		
Min Temp (°C)	8	8	8	9	9		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	30	28	23	20	17		
Wind Speed (KmpH)	2	3	3	3	3		
*Wind Direction	E	S-E	S-E	E	S-E		
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,	·		
		Vesterly- <mark>S-W</mark> , We					
Status of Post Mons							
Aizawl- 18.1mm	Champha	ui- 12.00mm	Saiha- 13.9 m		- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m	•	(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m	· · · · · · · · · · · · · · · · · · ·	(12.9mm)		
Weather summary	-	31 st January – 04 th February, 2018 chhunga sik					
three day	S	leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):2 Minimum Tem. (°C): 3 Maximum RH (%):72- Minimum RH (%):38- Wind Direction: south Cloud cover: Clear sk Wind speed: 0-2 km/3 Rainfall: 00.0 mm	8-10°C 81% 47% heasterly y	Tun ni 5 chhur tura beisei a ni. vawh lai ber in 8 100% leh a hnia hi darkar khat zawngin a tleh s hian khawthiang Weekl	Khua a lum lai 8-9°C ni tura b am lai berin 17 ah 2-3 km v rin a ni. A tlai g tak hmuh bei y cumulative	berin 24-26°C beisei a ni. RH 7-30% ni tur a rela chakin ch ngpuiin tun ni sei a ni. rainfall: 00.0r condition oc	a ni ang a. A san lai berin rin niin. Thli haklam awi nga chhung		
			nt : en en Romen R		1 P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION

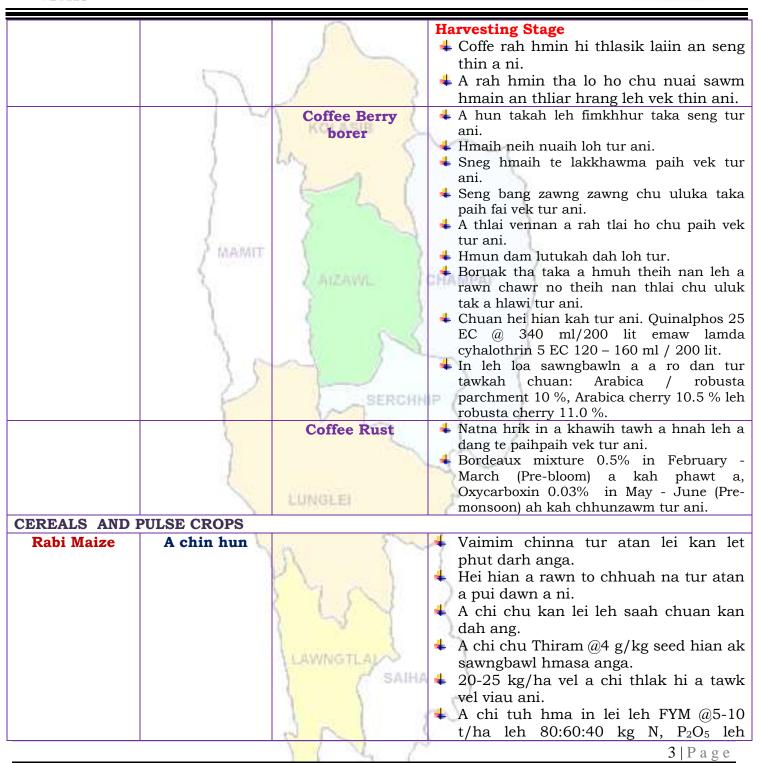


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	I
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID		I NULMOID 2	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	AIZAWE 1	leh a rah than that nan te leh a rah
PLOM AND PEACH			keh tur lakah t a veng thei ani.
PEACH		0	Towns and the local bate is the backward of the
		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	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	0	+ Thlai chi thlak hma in Azospirillum leh
		n (~	 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



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	Nursery stage	Poly house	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	MAMIT	AIZAWL	 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	1 (10)(2) (2)	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
		P 1 2)
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	\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 an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga :
	measures	En S	1-6 ah F1 vaccine pek tur ani a, chua
	1	~~ ~)	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
		445 1	B complex with antibodies
		4 th weeks	Coccidiosis - Amprolium
	MAMIT	4 1541 777 1	coccidiostat
	2. 0000000	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHAMPAI
	Monitoring (Sangha enkawl)		 tur an a, ninuar atang a tur to nisea, 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 ci buatsaih a ti awlsam a, dil mawr phoro, chinai phul, leitha hman leh tu dang in dil buatsaih tur ani. Sangha te natna lak atangin an him et tih enfiah fo a tha a, natna hmuh and chuan mithiam te rawn vat a, diltu enfiah vat tur ani. A ranglam a chinai @50kg/ha let tuisen @1.5mg/l diltui a hman hia sangha natna avang a thi tur la atangin a veng thei.
		PN 2	
		1 4 6	7 P a g e

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	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		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

LAWNGTLA SAIHA

8 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Period: 31 January – 04 February, 2018

Date of issue: 30th January, 2018

Demonstrates	21 01 0010	01.02.201		2.02.2018	03.02.2018	04.02.2018
Parameters	31.01.2018					
Rainfall (mm)	0	0		0	0	0
Max Temp (°C)	23	24		22	22	24
Min Temp (°C)	8	8		8	8	8
Cloud Coverage	Clear sky	Clear sky	,	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100		100	100	100
Min RH (%)	31	24		21	17	13
Wind Speed (KmpH)	2	4		3	2	3
*Wind Direction	E	S-E		S-E	E	S-E
Northe	erly- N, North-	Easterly- N-E,	, Easter	rly- E, South	-Easterly- <mark>S-E</mark> ,	
					-westerly- N-W.	
Status of Post Mon						
Aizawl- 18.1mm	Champh	ai- 12.00mm	Sa	<mark>iha-</mark> 13.9 mr		b- 21.4mm
(11.6mm)		(12.1mm)		(10.0m		(14.4mm)
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Ma	amit-24.3mn		ip-17.7mm
(07.1mm)		(08.7mm)		(09.6m)		(12.9mm)
Weather summary	of the past	Weather f	forecas	st valid fron	n 31 st January	, 2018 To
three day	S	04 th February, 2018.				
Maximum Tem. (°C):1	L8-24ºC	There are no chances of rainfall during the next 5 days.				
Minimum Tem. (°C):6		The maximum and minimum temperatures for the next 5 days may range for 22-24°C and 8°C. Maximum relative humidity is expected in the range of 100% and minimum may from 13-31%. Wind direction would be easterly to				
Maximum RH (%):72-	83%					
Minimum RH (%):32-	48%					
Wind Direction: Sout	heasterly					
Cloud cover: Clear sk	x y	•				•
Wind speed: 1-2 km/	hr			•	southeasterly w	
-		-	-	r hour. Clea	r sky will preva	all during the
Rainfall: 00.0 mm		next five days	s.			
		We	ekly c	umulative r	ainfall: 00.0 1	mm
NDVI for Mizoram		North East Region	19-June 1017	Mildly dry	condition oc	curs in all
		12.11.010 (dat) 1	200720	districts of l	Mizoram.	
			Contra bergebal			
		200	15-14 14-13 10-10			
		08- :	10-12 (1)			
		Appropriate vigous in good, once much of the pa finance and Magnaded, whereas monitority rap- of the vigous.	et) torther) Assail per is noticed to red			
		8				
		6 1		Q		
		1 C	1			1 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

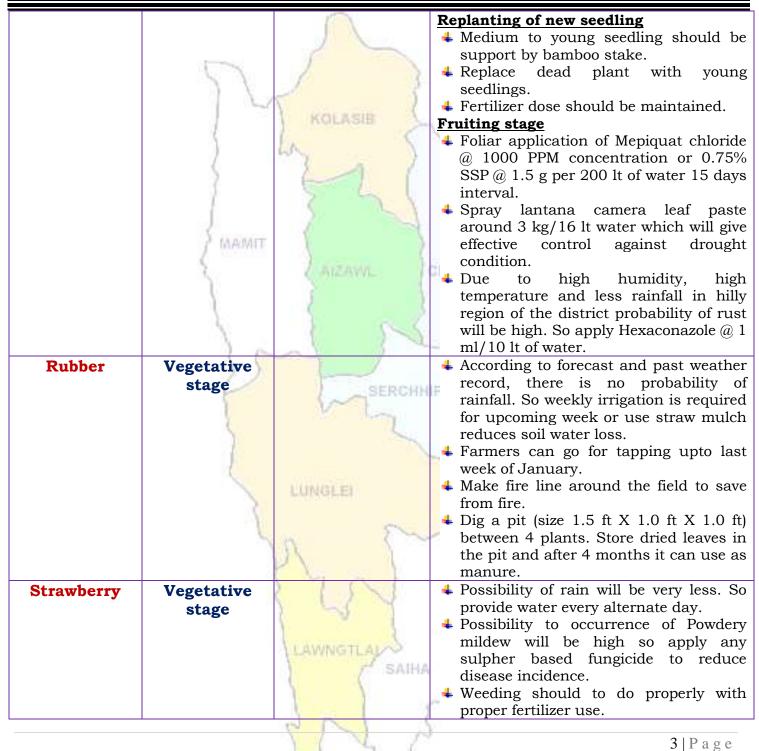


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			·
KHASI MANDARIN	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall.
AND ACID LIME		Ly S	So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	1	52(First harvest can be done 5 to 6 years after planting. Fruits are harvested when they attain
STAR FRUIT	AMAMIT		full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	Ì	AIZAWL	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet
	35		 weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of
	5		 4 Diseased and senile branches should be removed.
	2	Fruit fly LUNGLEI	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LAWNGTLAL	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
		812 A	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	KOLASIB	 The plants are-cut close to the ground. The crop is irrigated lightly for easy digging. Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork. Fingers are separated from mother rhizomes. Wash clumps of rhizomes with water and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for
	1 MAMIT		proper drying.
Early cole crop	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
	stage		 done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
		(rs)	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative stage	LAWNGTLAU	5
	U	121	 be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato	Vegetative	\wedge	 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to
Totato	stage	KOLASIB	 the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is
ANIMAL HUSBE	NDARY	54	 required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
Pig	All stages	SERCHN	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines
	3	Porcine Reproductive Respiratory Syndrome (PRRS).	available in State Veterinary Departs) 1. Culling of positive pigs or piglets.
Cattle	All age group	LAWNGTLAL	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		001	
		1 4	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

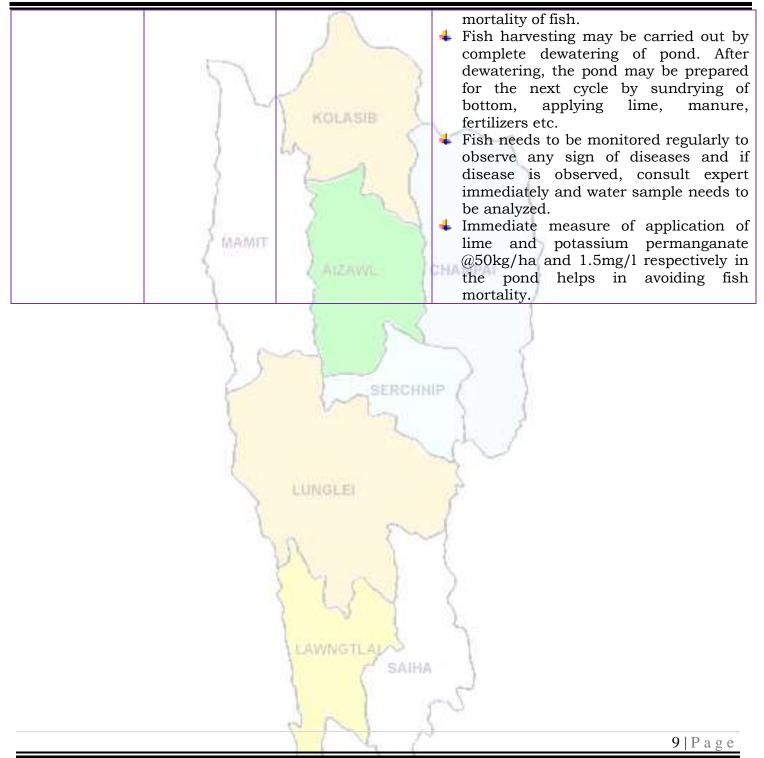


Poultry All age group Provide preventive dose of anti-cocc drugs to poultry. Provide glucose/electral along vitamin supplements (@5- 6ml/ birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelmin drugs under vet supervision recommended doses. Vaccination as per the schedule proper consultation with vet. Day old chick: HVT Marek dis vaccine, 35 days: F/Lasota, 1d days: Intermediate plus, vaccine, 35 days: F/Lasota, 2d RD R-2B strain. FISHERY Monitoring of fish in pond Monitoring of fish in pond Care should be taken that fish are with feed that are free from fungu the fungal growth is observed in feed, the feed needs to be sundrice				
FISHERY Monitoring of fish in pond Monitoring of fish in pond Monitoring of fish in pond		$\sum_{i=1}^{n}$	KOLASIB	 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.
FISHERY Monitoring of fish in pond Care should be taken that fish are with feed that are free from funguth feed, the fungal growth is observed in feed, the feed needs to be sundried.	Poultry		SERCHH	 Proper ventilation of shed. Provide glucose/electral along with vitamin supplements (@5- 6ml/100 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended doses. Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days:¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
Monitoring of fish in pond Monitoring of fish in pond fish in pond	FISHERY	1	Character V	North Control of Contr
Fish feed should be stored in cool dry place to avoid fungal growth				 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to



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	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:

Programme Coordinator Name of the **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

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Champhai

Period: 31 January – 04 February, 2018

Bulletin N	lo: -	766	/2018	3/	Bulletin/	Mizo
				5	1	P

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	23	24	22	22	24		
Min Temp (°C)	8	8	8	8	8		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	31	24	21	17	13		
Wind Speed (KmpH)	2	4	3	2	3		
*Wind Direction	E E	S-E	S-E	E E	S-E		
		Easterly- N-E, Easterly-	-	_	5-E		
		Westerly- S-W, We		· · · · · · · · · · · · · · · · · · ·			
Status of Post Mons							
Aizawl- 18.1mm		ai- 12.00mm	Saiha- 13.9 m		b- 21.4mm		
(11.6mm)	Champh	(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)	24	(08.7mm)	(09.6m		(12.9mm)		
Weather summary	of the nast						
three day	-	31 st January – 04 th February, 2018 chhunga sik					
		leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1		Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):6		tura beisei a ni. Khua a lum lai berin 22-24ºC a ni ang a. A					
Maximum RH (%):72-		vawh lai ber in 8°C ni tura beisei a ni. RH san lai berin of 100% leh a hniam lai berin 13-31% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi					
Minimum RH (%):32-							
Wind Direction: Sout	· · · · · · · · · · · · · · · · · · ·						
Cloud cover: Clear sk	·	zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
Wind speed: 1-2 km/	nr	hian khawthiang tak hmuh beisei a ni.					
Rainfall: 00.0 mm		c	,				
Kaiman. 00.0 mm		Weekl	u cumulative	rainfall: 00.0r	nm		
NDVI for Mizoram				condition of			
NDVI IOI MIZUIAIII		North East Region 21. June 2	districts of		cuis in all		
		× ···		mizoram.			
			* 1 mm				
		-g - ···	1				
		lag-turbur opposition good, when read of the party Northe Traces and Meghaniya whenes receivers vignur to notio of the region.	d in sur				
		256					
		P N	2				
					1 P a g e		

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



ICAR RESEARCH COMPLEX FOR NEH REGION

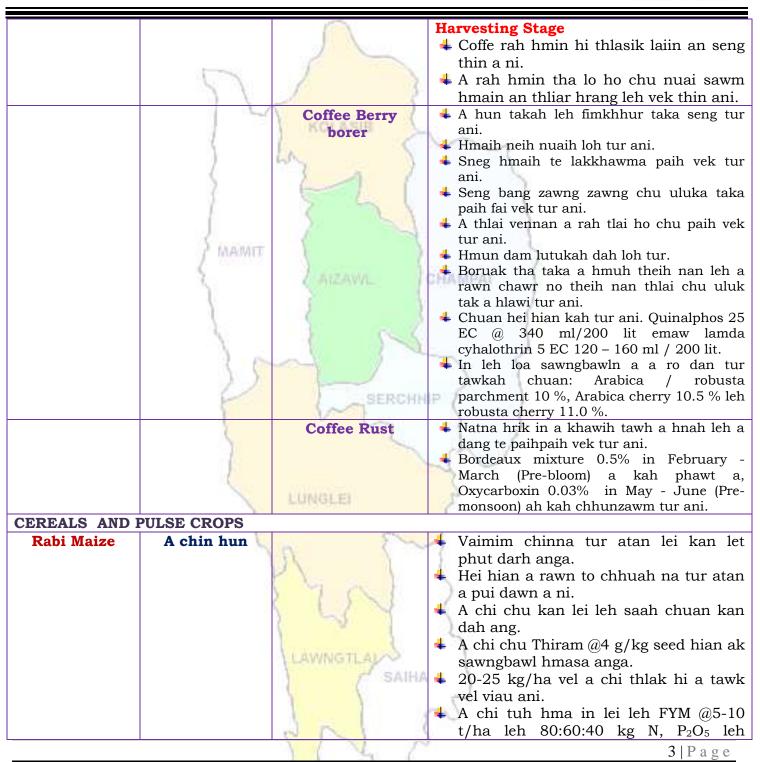


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS						
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur			
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul			
AND ACID		C C	velah dahkhawm tur ani.			
LIME)	LA N	Thlai naupang deuah chuan chawlh			
	(1 1	kar tin a tui pek thin tur ani.			
BANANA	1		🖊 Leia tha mamawh tawk a hmuh			
	1	2 2 1	theihna turin a hmunhma a hnim awm			
			te thlawhfai thin tur ani.			
STAR FRUIT	MAINT		4 A seng hma kar 6 chhung chu tui tha			
	2	S	taka pek hian a rah tla tur chelh nan			
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah			
PEACH			keh tur lakah t a veng thei ani.			
FEACH		Cummosia eitmus	4 Temperture hniam lutuk leh hnawng vang			
		Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna			
	1	greening and	laka vennan Bordeaux past hi thing zar leh			
	100	Dieback	a trangah te hnawih tur ani.			
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a			
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu			
	5	No. Com	heng te hian enkawl tur ani: carbaryl 0.2			
			percent emaw malathion 0.15 percent			
		~	suspension containing sugar or jeggery at			
DI ANGAGION OD	0.7		10 g/l.			
PLANTATION CR		LUNGLEI				
COFFEE	All stages		Nursery stage			
	1	000	+ Thlai chi thlak hma in Azospirillum leh			
		n (~~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun 			
			zawl/rualrem 1.5 - 2.5 cm a in hlatin			
		1 9 25-1	tlar mumal tak siam in chin tur ani.			
			+ Chuan a chi chu lei tlem te a chhilh a			
		1 -2 1	buhpawla khuh tur ani.			
			 Nitin tui pek tur ani a, a sat lutuka loh 			
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur			
		J SAIHA	ani.			
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu			
			bag ah an sawn chhuak leh thin ani.			
		11 V	2 P a g e			



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



5	$\langle \wedge \rangle$	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
Preventiv		Ranikhet Disease- an pian atanga ni
measures		 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	4 th weeks	Coccidiosis- Amprolium or
	TWEERS	coccidiostat
/ MAd	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	ANZAWAL	CHAMPAI
Monitoring (Sangha enkawl)		 tur ani a, ninuar atang a tur io niseani thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
	221	
	VIL /	7 P a g e

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh		Joint Director	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	-	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



8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Period: 31 January – 04 February, 2018

Bulletin	No: -	766	/2018/	Bulletin/	English	
			1	1	0	

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	25	25	25		
Min Temp (°C)	11	11	14	9	11		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	90	100	100		
Min RH (%)	32	31	26	24	21		
Wind Speed (KmpH)	2	3	4	3	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
	-	Easterly- N-E, East	-	-			
		Vesterly- <mark>S-W</mark> , We					
Status of Post Mons							
Aizawl- 18.1mm		ui- 12.00mm	Saiha- 13.9 m		- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m	ım)	(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m	n Serchh	ip-17.7mm		
(07.1mm)	-	(08.7mm)	(09.6m	. m)	(12.9mm)		
Weather summary	of the past	Weather forecast valid from 31 st January, 2018 To					
three day	s	04 th February, 2018.					
Maximum Tem. (°C):1	9-21°C	There are no chances of rainfall during the next 5 days.					
Minimum Tem. (°C):9		The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 9-14°C. Maximum relative					
Maximum RH (%):76-							
Minimum RH (%):35-4		humidity is expe					
Wind Direction: Easte	erly .	may from 21-32					
Cloud cover: Clear sk	y .	0			.		
Wind speed: 1-2 km/	nr	with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.					
		prevan during th	le next nve day	5.			
Rainfall: 00.0 mm		III o a la la					
		νεεκι	y cumulative i	rainfall: 00.0 1	nm		
			2 5 1 11 1				
NDVI for Mizoram		North East Region (29 June 2017)	5 5	condition oc	curs in all		
		~~ ··· ··	districts of	Mizoram.			
			-cont materies				
		Agriculture region in good some from attrine percentisation of the	***				
		Naves and Vegnales, whereas molecular equal is noticed to of the regime	7				
		VIN	M		1 Page		
					- 1- u S V		



ICAR RESEARCH COMPLEX FOR NEH REGION

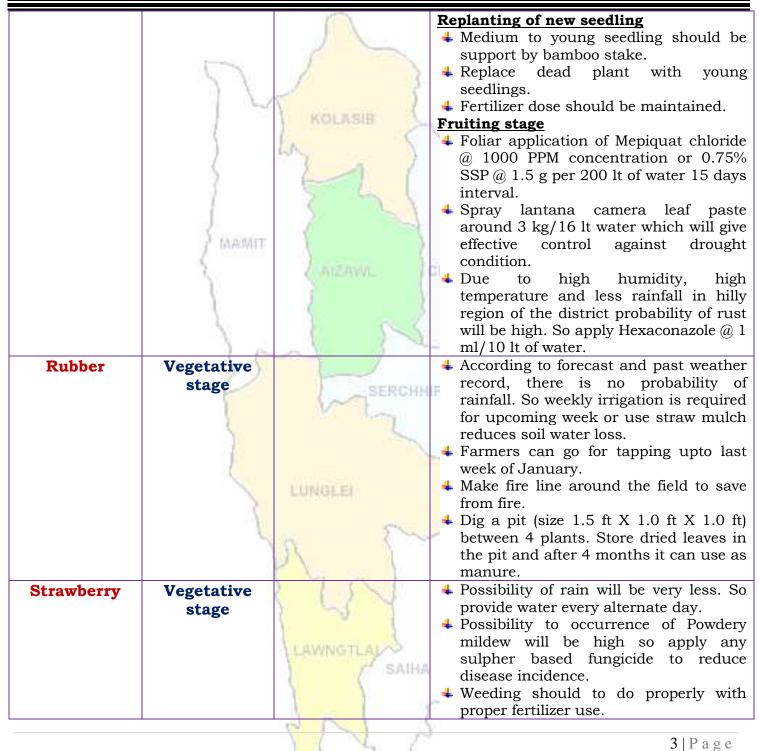


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Harvesting	2 5	♣ According to forecast and past weather
MANDARIN	stage	KOLASIB	record, there is no probability of rainfall.
AND ACID	T	C	So weekly irrigation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



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



ſ		-	
			\blacksquare The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
			digging.
	1 1		4 Harvesting consists of digging of
	1 1	2 2	underground clumps of rhizomes
	1	2	with pick axe or digging fork.
		KOLASIB	Fingers are separated from mother
	(0	rhizomes.
)	an I	Wash clumps of rhizomes with water
	(1 1 1	and keep it for sundry.
	1	the second of the second se	
	1	2 5	Seed stock will be store from partially
		1 21	dry sample.
	Second and	1	\downarrow Cut the rhizome to small pieces for
	1 MAMIT	()	proper drying.
Early cole	Vegetative	AIZAWL 1	+ According to forecast and past weather
crop	stage	a summer of	record, there is no probability of
	5	5	rainfall. So weekly twice irrigation is
	5	Sec. 19	required for upcoming week or use
	1	1 15	straw mulch reduces soil water loss.
	0		4 Intercultural operations should be done
	105		regularly to keep the crop free from
	12		weeds and aeration of the root system.
	1	SERCHN	4 Remaining quantity of nitrogen is
	1	N Com	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	↓ Intercultural operations should be
Onion	stage	i ory nouse	done regularly to keep the crop free
	stage		from weeds and aeration of the root
		A CONTRACTOR OF A	system.
		LUNGLEI	Remaining quantity of nitrogen is
	1		applied 30-40 days after transplanting.
			 Provide irrigation if water is require.
		R A	 Frovide infigation in watch is require. Seed treatment with thiram 3g/kg seed or
			Trichoderma viride 4g+ metalaxyl 4g
		1 7 M	(Apron)/ kg seed
			 Drenching 1% Bordeaux mixture or 2 g
		1 -2 1	captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAU	+ Possibility of rain will be less coming
	stage	- SAIHA	
	SLAZE		be done 2 days interval.
			4 Intercultural operations should be done
			regularly to keep the crop free from
		R S A	
			5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

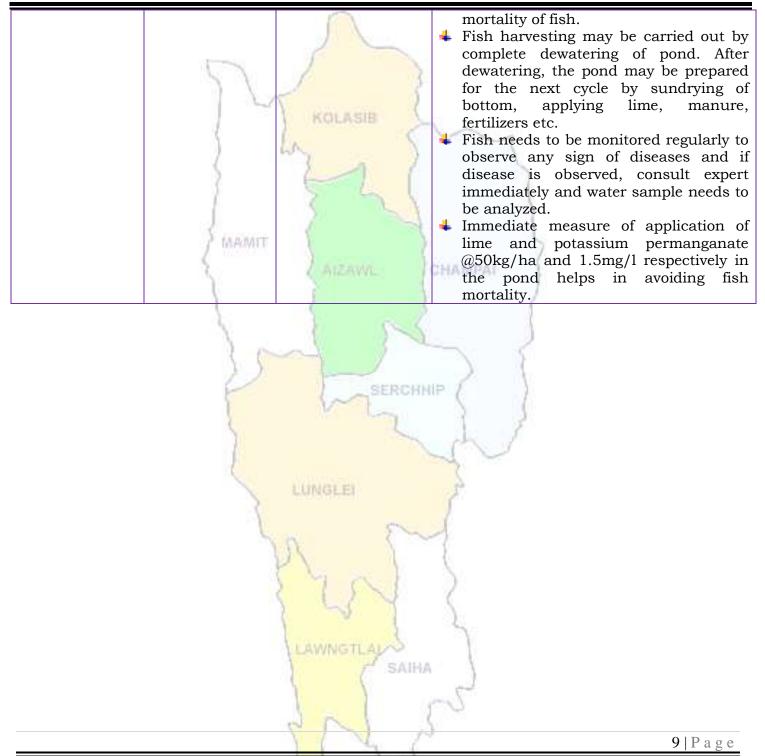


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/100
	Z	SERCHH	 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended deser
FISHERY	2		 vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond		 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to
		1141	8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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:

Programme Coordinator Name of the **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



10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Kolasib

Period: 31 January – 04 February, 2018

Bulletin	No: -	766	/2018/	Bulletin	/Mizo
			- A		

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	25	25	25		
Min Temp (°C)	11	11	14	9	11		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	90	100	100		
Min RH (%)	32	31	26	24	21		
Wind Speed (KmpH)	2	3	4	3	4		
*Wind Direction	S-E	S-E	S-E	S-E	S-E		
Northe	rly- N, North-	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Vesterly- <mark>S-W</mark> , We					
Status of Post Mons							
Aizawl- 18.1mm	Champha	i- 12.00mm	Saiha- 13.9 m		- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m	•	(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m	· · · · · · · · · · · · · · · · · · ·	(12.9mm)		
Weather summary of	-	31 st January – 04 th February, 2018 chhunga sik					
three days	S	leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1	.9-21°C	Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo					
Minimum Tem. (°C):9		tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A					
Maximum RH (%):76-		vawh lai ber in 9			0		
Minimum RH (%):35-4	400/	100% leh a hnia					
Wind Direction: Easte		hi darkar khat					
Cloud cover: Clear sk	37						
Wind speed: 1-2 km/l		zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung					
		hian khawthiang tak hmuh beisei a ni.					
Rainfall: 00.0 mm							
		Weekl	y cumulative	<mark>rainfall:</mark> 00.0r	nm		
NDVI for Mizoram		North East Region 29 Aust 2197	5 5	condition oc	curs in all		
		~	districts of	Mizoram.			
			need Redeter				
			-				
		-8 - 1					
		Aphablas agost a goot over nod of the parts literaters as theory and lengthese whether moderne agost is noticed in strate report.					
		and Fordaet					
		11 L	1		1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION

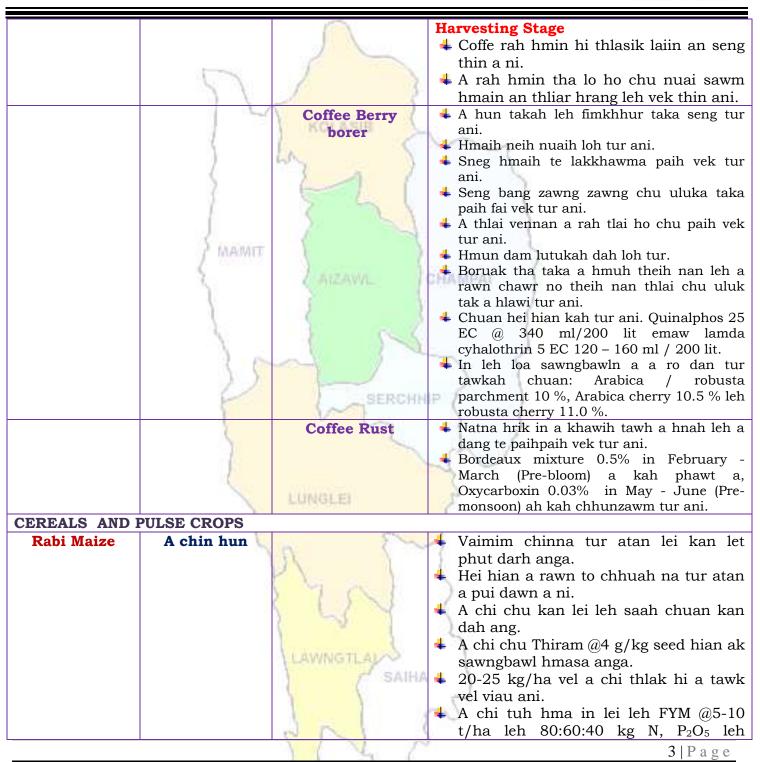


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	2 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID		C C	velah dahkhawm tur ani.
LIME)	LA N	
	(1 1	kar tin a tui pek thin tur ani.
BANANA	1		🖊 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	MAINT		4 A seng hma kar 6 chhung chu tui tha
	2	S	taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL I	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		Cummosia eitmus	4 Temperture hniam lutuk leh hnawng vang
		Gummosis, citrus canker, citrus	hian natna a a tam duh a . Soil bome natna
	1	greening and	laka vennan Bordeaux past hi thing zar leh
	100	Dieback	a trangah te hnawih tur ani.
	1	Fruit fly	🔸 Huan zau takah chuan a par tan tirh leh a
		CALCERCHH	rah tan tirin chawlhkar hnih chhung chu
	1	N Long	heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
		~	suspension containing sugar or jeggery at
DI ANGAGION OD	0.7		10 g/l.
PLANTATION CR		LUNGLEI	
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
		n (~~	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 9 25-1	tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		J SAIHA	ani.
		1 1	4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		N N S	
		11 V	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	\sum	 Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga ni
	measures	217	 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R₂B vaccine pek tur ani. B complex with antibodies
	1	4 th weeks	Coccidiosis- Amprolium or
	2	TWEERS	coccidiostat
	/ MPONT	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	30	A ATZAWIL	CHAMPAI }
	Monitoring (Sangha enkawl)		 Sangha te hi chaw a hmuar kai lo chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa a phoro phawt tur ani. Sangha chaw hi a hmuar lohna turin hmun ro leh uap lutuk lo ah dahthat tur ani a, hmuar atang a tur lo inseam thin, aflatoxin avang a sangha thi lak atangin sangha a him phah thin. Dil sah kang veka sangha man thin hian a kumleh a sangha khawinan a dil buatsaih a ti awlsam a, dil mawng phoro, chinai phul, leitha hman leh tul dang in dil buatsaih tur ani. Sangha te natna lak atangin an him em tih enfiah fo a tha a, natna hmuh anih chuan mithiam te rawn vat a, diltui enfiah vat tur ani. A ranglam a chinai @50kg/ha leh tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur lak atangin a veng thei.
		201	1967-98 1
		1146	7 P a g e

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh		Joint Director	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	-	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



8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Period: 31 January – 04 February, 2018

Date of issue: 30th January, 2018

Demonsterne	01 01 0010	01 00 0010	00.00.0010	00.00.0010	04 00 0010	
Parameters	31.01.2018		02.02.2018	03.02.2018	04.02.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	25	24	24	24	
Min Temp (°C)	8	8	8	9	9	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	92	95	69	72	68	
Min RH (%)	30	31	23	22	21	
Wind Speed (KmpH)	2	2	4	4	4	
*Wind Direction	N-E	N-E	N-E	N-E	N-E	
Northe	rly- N, North-	Easterly- N-E, Easterly-	sterly- E, South	-Easterly- <mark>S-E</mark> ,		
Souther	rly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.		
Status of Post Mon	soon- Decembe	r 1-31, 2017 (Perce	ent of deviation f	from normal in p	arenthesis)	
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m	m Kolasil	b- 21.4mm	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m	m Serchh	ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary	of the past	Weather fore	cast valid from	n 31 st January	r, 2018 To	
three day	S	04 th February, 2018.				
Maximum Tem. (°C):1	l9-21ºC	There are no chances of rainfall during the next 5 days.				
Minimum Tem. (°C):1		The maximum and minimum temperatures for the next 5				
Maximum RH (%):72-	84%	days may range for 24-26°C and 8-9°C. Maximum relative				
Minimum RH (%):38-	42%	humidity is expected in the range of 69-95% and minimum may from 21-31%. Wind direction would be northeasterly with the wind speed of 2-4 km per hour. Clear sky will				
Wind Direction: East	erly					
Cloud cover: Clear sk						
Wind speed: 1-2 km/	nr		-		lear sky will	
-		prevail during th	ie next five day	s.		
Rainfall: 00.0 mm						
		Weekl	y cumulative i	r ainfall: 00.0 1	mm	
NDVI for Mizoram		North East Region volume and	Mildly dry	condition oc	ccurs in all	
			districts of			
			uk) ser picol manuar			
		all. =				
		Agriculture report is good, small most of the parts horitons in Historic and Neural Institutes incolority report is noticed in of the report.				
		6 1	2			
			12		1 Page	



ICAR RESEARCH COMPLEX FOR NEH REGION

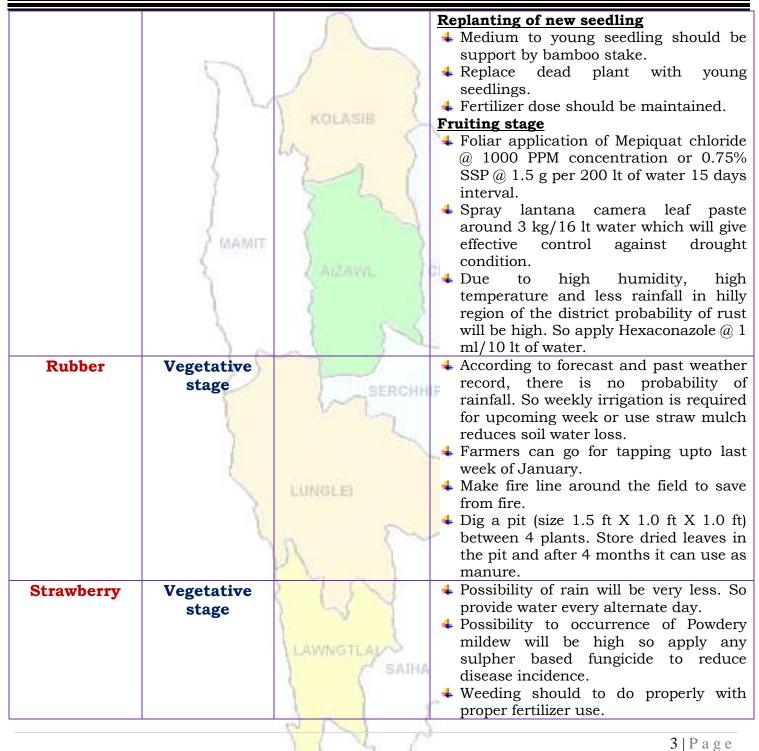


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal			
Animal		practices/ Pest/	husbandry advisories			
/Fisheries		Diseases				
FRUITS CROPS			·			
KHASI MANDARIN	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall.			
AND ACID LIME		hy S	So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.			
BANANA	}	52(First harvest can be done 5 to 6 years after planting.			
STAR FRUIT	AMAMIT		Fruits are harvested when they attain full size, develop attractive colour from green to yellow with optimum sugar and acid blend.			
PLUM AND PEACH	2	AIZAWL	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet 			
	25	SERCH				
	}	my	 three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed. 			
	2		In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.			
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.			
PLANTATION CR	PLANTATION CROP					
COFFEE	Fruiting stage	LAWNGTLAL	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.			
L		1121	2 P a g e			



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



CEREALS AND F	CEREALS AND PULSE CROPS				
Rabi Maize	Tassle formation stage	KOLASIB	 Irrigation should be provide 3 days interval Apply 2% urea solution for better growth. Weeding should be carried out. Provide irrigation twice in a week or grow any cover crop in surface of the soil. Leaf and stem cutter insect will be more so apply any contact poison for 		
Zero tillage Greengram and blackgram	Flowering stage	Zero tillage	 reducing pest population. Possibility of rain will be very less. So provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition. 		
Zero tillage Soybean cultivation in <i>Jhum</i>	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Collection and destruction of damage plant or plant part and spraying of any systemic insecticide @ 2ml/lit should be done. Apply 2% urea solution to avoid stress condition. 		
Zero tillage Toria	Flowering stage	Zero tillage	 Possibility of rain will be very less. So provide water every alternate day. Apply split dose of fertilizer for better growth. Collection and destruction of Blister beetles and spraying of Neem oil @3ml/lit should be done. Apply split dose of fertilizer for better growth. 		
VEGETABLE CRO Ginger and turmeric	DP Harvesting stage		 Turmeric and ginger is harvested when leaves start yellowing and ultimately the stem dries down. 		
		6127	4 P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	KOLASIB	 The plants are-cut close to the ground. The crop is irrigated lightly for easy digging. Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork. Fingers are separated from mother rhizomes. Wash clumps of rhizomes with water and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for
	/ MAINIT		proper drying.
Early cole crop	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
	stage	LUNGLEI	 done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
		(ray	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative stage	SAIHA	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from
		VIV.	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

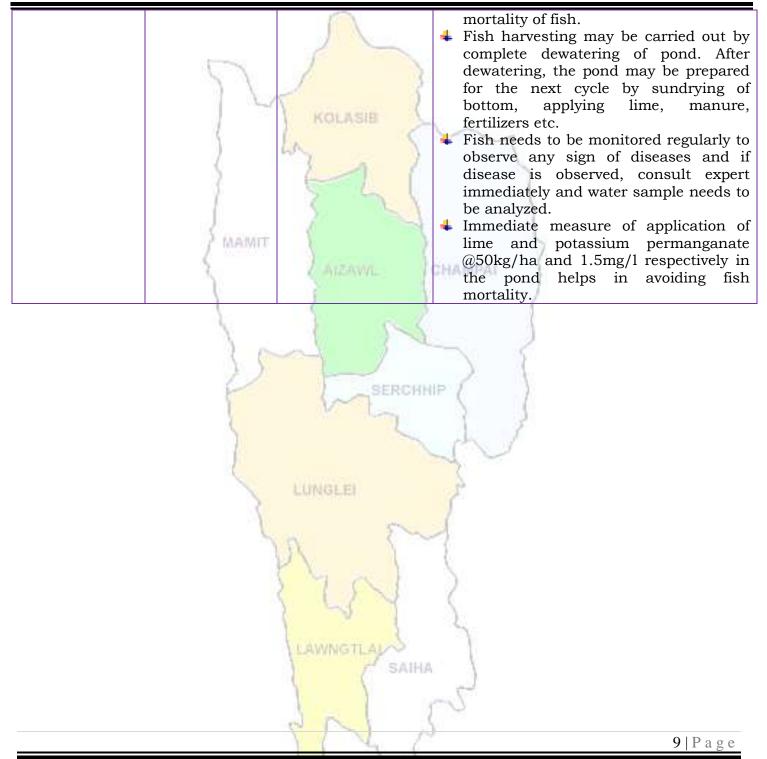


		KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short.
Poultry	All age group	AIZAWL	 Vaccination as per the schedule with proper consultation with vet. Day old chick: HVT Marek disease vaccine, 4-7 days: ¬F/Lasota, 14-18 days: Intermediate plus/IBD vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain.
FISHERY	-		A Remove wet litter.
	Monitoring of fish in pond	LAWNGTLAL	 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to 8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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	:	Meteorological Observer	evansmeteo@gmail.com

Collaborating Department:

Programme Coordinator Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com



10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lawngtlai

Period: 31 January - 04 February, 2018

Bulletin	No: -	766	/2018	/ B	ulletin/	Mizo
				67	10 0	12

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	25	24	24	24	
Min Temp (°C)	8	8	8	9	9	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	92	95	69	72	68	
Min RH (%)	30	31	23	22	21	
Wind Speed (KmpH)	2	2	4	4	4	
*Wind Direction	N-E	N-E	N-E	N-E	N-E	
	rly- N. North-	Easterly- N-E, East	sterly- E. South	-Easterly- S-E,		
		Vesterly- <mark>S-W</mark> , We				
Status of Post Mor						
Aizawl- 283.0mm	Champh	ai- 0.00mm	Saiha- 57.9 m	m Kolasil	o- 50.0mm	
(44.8mm)		(35.9mm)	(64.0m	ım)	(34.8mm)	
Lawngtlai-135.3mm	Lunglei	-130.3mm	Mamit-231.0m	m Serchhi	p-234.8mm	
(54.1mm)		(33.7mm)	(17.9m		(56.3mm)	
Weather summary of	of the past	31 st January	– 04 th Februa	ary, 2018 ch	hunga sik	
three day	s	leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):72- Minimum RH (%):38-4 Wind Direction: Easter Cloud cover: Clear sk Wind speed: 1-2 km/1 Rainfall: 00.0 mm	0-12°C 84% 42% erly y	Tun ni 5 chhur tura beisei a ni. vawh lai ber in 8 69-95% leh a hn hi darkar khat zawngin a tleh s hian khawthiang Weekl	Khua a lum lai 8-9°C ni tura k iam lai berin 2 ah 2-4 km v rin a ni. A tlai g tak hmuh bei y cumulative	berin 24-26°C beisei a ni. RH 1-31% ni tur a vela chakin ch ngpuiin tun ni	a ni ang a. A san lai berin rin niin. Thli haklam awi nga chhung nm	
		Andread and the second	ek) wat		1 P a g e	



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		•	
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	3	1 monthouse 2	velah dahkhawm tur ani.
LIME)	La N	👍 Thlai naupang deuah chuan chawlh
	(3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		🖊 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ medulit	5	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		
		Gummosis, citrus	Temperture hniam lutuk leh hnawng vang him nature a stem dub a Sail hama nature
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	1		10 g/l.
PLANTATION CR			
COFFEE	All stages	11111111111111111111111111111111111111	Nursery stage
	1	1994 C	+ Thlai chi thlak hma in Azospirillum leh
	1	n m	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
	1	A Star D	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 1	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	ani. Ni 45 haar aalah a diala dhin a ahar ahar
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1211	bag ah an sawn chhuak leh thin ani.
		6 5 4	
			2 P a g e

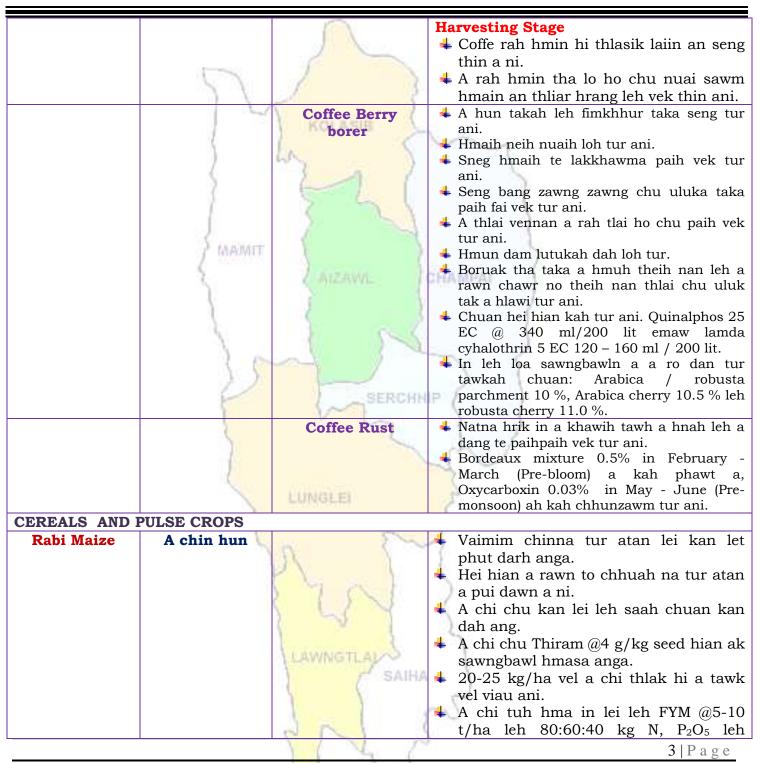


ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)







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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



			 Tui an in tur chhawpna tur th tha tak leh tui thianghlim tak ani. Chaw a hmuar/thing pek loh tu an chaw eitur thlak sak thut ani. 	pek tur r ani a, loh tur
	Preventive measures	0-3 rd week	Ranikhet Disease- an pian ata 1-6 ah F1 vaccine pek tur ani a a puitlingh chuan R ₂ B vaccine ani.	, chuan
	1	5 6	B complex with antibodies	
	1	4 th weeks	Coccidiosis- Amprolium coccidiostat	01
	J MARYN I	4-5 th Weeks	Calcium tonic fortified with B	12
FISHERY	30	ATZAVAL I	HAMPAI .	
(S	onitoring angha nkawl)		 Sangha te hi chaw a hmuar chauh pek thin tur ani. Sangha lo hmuar anih chuan pek hma a phoro phawt tur ani. Sangha chaw hi a hmuar lohn hmun ro leh uap lutuk lo ah o tur ani a, hmuar atang a tur lo thin, aflatoxin avang a sangha atangin sangha a him phah thin Dil sah kang veka sangha ma hian a kumleh a sangha khawin buatsaih a ti awlsam a, dil phoro, chinai phul, leitha hman dang in dil buatsaih tur ani. Sangha te natna lak atangin an tih enfiah fo a tha a, natna hmu chuan mithiam te rawn vat a enfiah vat tur ani. A ranglam a chinai @50kg/tuisen @1.5mg/l diltui a hma sangha natna avang a thi tangin a veng thei. 	chaw a in ni sa a turin dahthat inseam thi lak an thin an a di mawng leh tu him em th anih t, diltu ha leh n hian
		22/1	0	
		VIV A	711	Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	basantasinghsoibam@rediffmail.com
Dr. Saurav Saha	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	(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



8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Period: 31 January – 04 February, 2018

Bulletin	No:	766	/2018/	Bulletin	/English	
			1	1	6	

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	24	24	24		
Min Temp (°C)	8	8	8	9	9		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	98	100	94	96	84		
Min RH (%)	28	26	20	19	17		
Wind Speed (KmpH)	4	2	4	4	4		
*Wind Direction	N-E	E	E	E	E		
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,	•		
		Westerly- <mark>S-W</mark> , We					
Status of Post Mons	soon- Decembe	r 1-31, 2017 (Perce			arenthesis)		
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m	m Kolasil	o- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)		
Weather summary		Weather forecast valid from 31 st January, 2018 To					
three day	S	04 th February, 2018.					
Maximum Tem. (°C):1		There are no chances of rainfall during the next 5 days.					
Minimum Tem. (°C):8	-10°C	The maximum and minimum temperatures for the next 5					
Maximum RH (%):73-		days may range for 24-26°C and 8-9°C. Maximum relative					
Minimum RH (%):25-	39 %	humidity is ex					
Wind Direction: East	erly	minimum may	±	0			
Cloud cover: Clear sk	y	.					
Wind speed: 1-2 km/	nr	southeasterly to easterly with the wind speed of 2-4 km per hour. Clear sky will prevail during the next five days.					
		nour. cicar sky	will prevail dur	ing the next inv	c days.		
Rainfall: 00.0 mm		Weekl	u oumulative i	rainfall: 00.0 1	mm		
		Weeni	y cumatutte i	ungun 00.01			
NDVI for Mizoram			Mildler day	andition	ound in all		
NDVI IOF MIZOTAM		North East Region 39 June 3197		condition oc	curs in all		
			districts of	mizoram.			
		Agriculture region in good, sees most of the parts frankers in Travel and Magnetics, sciences, incidently region in potential					
		of Bureger.					
		(2) N					
		1 / V	2		1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION

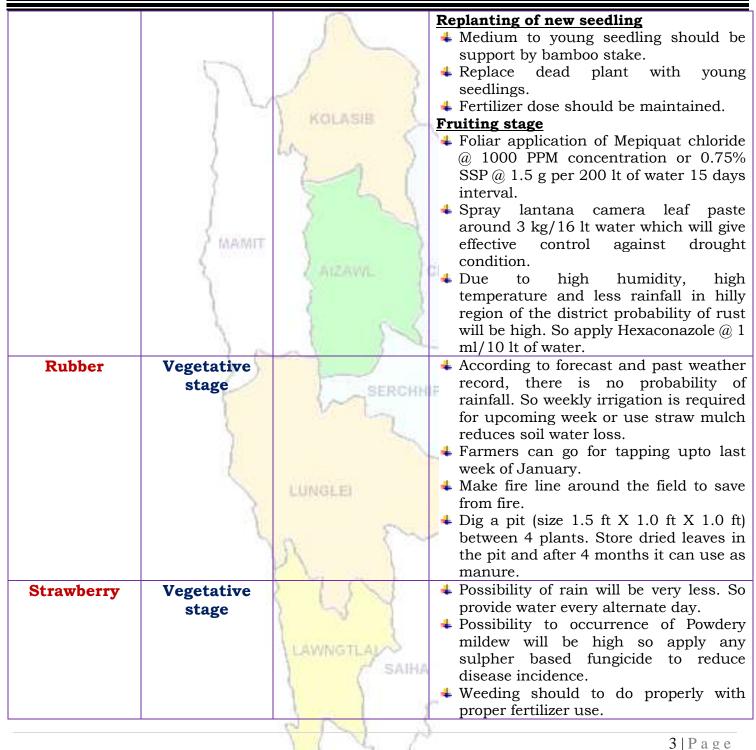


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			·
KHASI MANDARIN	Harvesting stage	KOLASIB	According to forecast and past weather record, there is no probability of rainfall.
AND ACID LIME		Ly S	So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	52(First harvest can be done 5 to 6 years after planting.
STAR FRUIT	AMAMIT		Fruits are harvested when they attain full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	2	AIZAWL	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet
	25	SERCH	
	}	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	 three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	~	Fruit fly LUNGLEI	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LAWNGTLAL	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
		NN A	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	KOLASIB	 The plants are-cut close to the ground. The crop is irrigated lightly for easy digging. Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork. Fingers are separated from mother rhizomes. Wash clumps of rhizomes with water and keep it for sundry. Seed stock will be store from partially demonstrated.
	J.		dry sample. Cut the rhizome to small pieces for
	MAMIT		proper drying.
Early cole crop	Vegetative stage	AIZAWL	According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss.
	10		4 Intercultural operations should be done
	>>		regularly to keep the crop free from weeds and aeration of the root system.
	T	SERCHN	4 Remaining quantity of nitrogen is
Onion	Vegetative	Poly house	applied 30-40 days after transplanting. Intercultural operations should be
	stage		done regularly to keep the crop free from weeds and aeration of the root
	1	LUNGLEI	system.
	3		Remaining quantity of nitrogen is applied 30-40 days after transplanting.
	5	n 8~	 Provide irrigation if water is require.
		MAN.	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed
		1 4 1	 Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAL	Possibility of rain will be less coming five days. So alternate irrigation should
	stage	(be done 2 days interval.
		1 - 1	Intercultural operations should be done regularly to keep the crop free from
			5 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato	Vegetative	\wedge	 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to
Totato	stage		 Dathing up block be done hear to the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability of
	AMAMIT	The for	 rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBE		1 677.0100	
Pig	All stages	SERCHH Porcine Porcine	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
	5	Reproductive Respiratory Syndrome (PRRS).	1
Cattle	All age group	LAWNGTLA	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the
			 Frovide OMB/ Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		8 N A	710
			7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

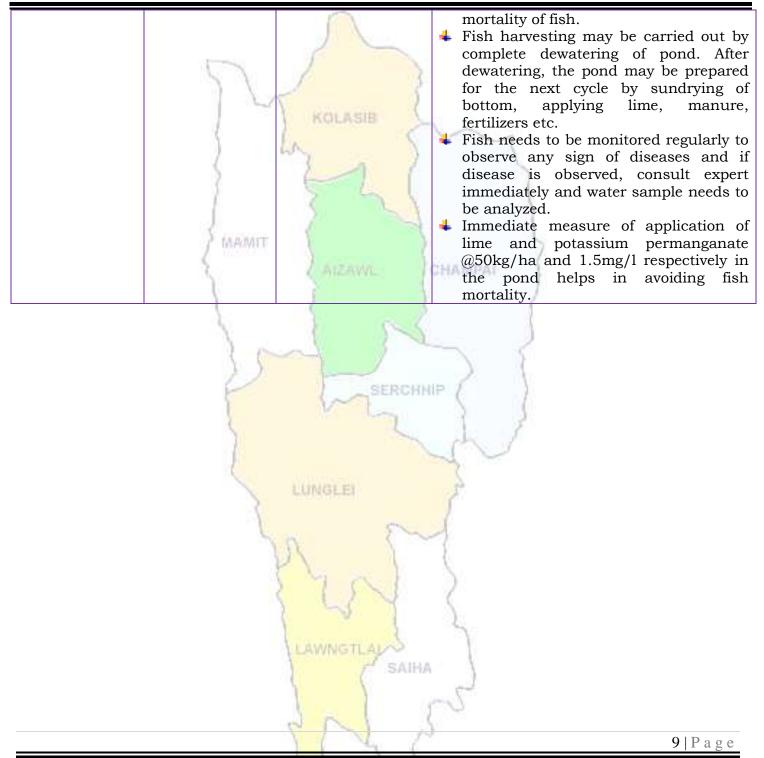


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair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



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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:

Programme Coordinator Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com



10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Lunglei

Period: 31 January – 04 February, 2018

Bulletin	No: -	766/	2018/	Bulletin	/Mizo
			1	1	R

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	01.02.2018	02.02.2018	0	04.02.2018		
Max Temp (°C)	26	25	24	24	24		
	<u> </u>	8	8	9	9		
Min Temp (°C)	-	Clear sky	-		Clear sky		
Cloud Coverage	Clear sky	-	Clear sky	Clear sky	5		
Max RH (%)	98	100	94	96	84		
Min RH (%)	28	26	20	19	17		
Wind Speed (KmpH)	4	2	4	4	4		
*Wind Direction	N-E	E	E	E	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 Post Mon				_	•		
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		b- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m	· · · · · · · · · · · · · · · · · · ·	(12.9mm)		
Weather summary	•	31 st January – 04 th February, 2018 chhunga sik					
three day		leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1 Minimum Tem. (°C):8 Maximum RH (%):73- Minimum RH (%):25-3 Wind Direction: Easter Cloud cover: Clear sk Wind speed: 1-2 km/3 Rainfall: 00.0 mm	-10°C 85% 39% erly y	Tun ni 5 chhur tura beisei a ni. vawh lai ber in 4 84-100% leh a Thli hi darkar k zawngin a tleh hian khawthiang Weekl	Khua a lum lai 8-9°C ni tura l hniam lai berin khatah 2-4 km rin a ni. A tla g tak hmuh bei	berin 24-26ºC beisei a ni. RH n 17-28% ni tu vela chakin c ngpuiin tun ni	a ni ang a. A san lai berin ur a rin niin. hhaklam awi nga chhung		
NDVI for Mizoram		Secti Excitingion 29 Aux 2017	Mildly dry districts of	condition oo Mizoram.	curs in all		
		V / V	12		1 Page		

I | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

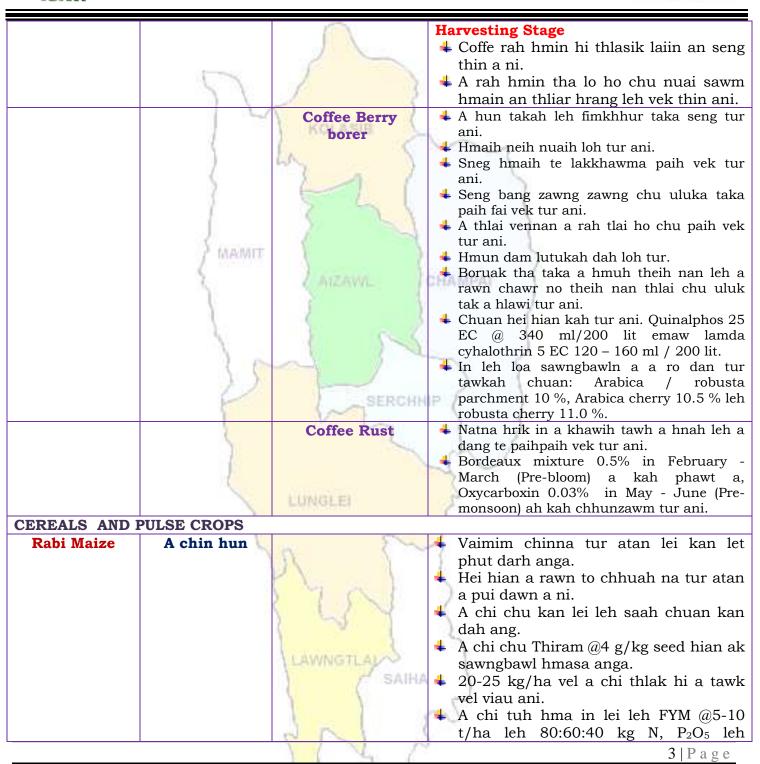


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			1
KHASI	A kui atanga	8 8	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	3	1 mountains 7	velah dahkhawm tur ani.
LIME)	LA.	
	(1 1 1	kar tin a tui pek thin tur ani.
BANANA	1		4 Leia tha mamawh tawk a hmuh
	1	2 2 1	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	1		taka pek hian a rah tla tur chelh nan
PLUM AND	3	ATZAWIL	leh a rah than that nan te leh a rah
PEACH			keh tur lakah t a veng thei ani.
FEACH		Current acia citarua	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
	5	CALL REPERCINE	rah tan tirin chawlhkar hnih chhung chu
	5		heng te hian enkawl tur ani: carbaryl 0.2
	1		percent emaw malathion 0.15 percent
	18		suspension containing sugar or jeggery at
	0.7		10 g/l.
PLANTATION CR		LUNGEEN	
COFFEE	All stages		Nursery stage
	1	000	+ Thlai chi thlak hma in Azospirillum leh
		γ (\sim	 Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun
			zawl/rualrem 1.5 - 2.5 cm a in hlatin
		1 9 25-1	tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		1 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
		/ SAIHA	ani.
		1 6	4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
I		N N N	
		112 M	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	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 Muangchang loving alu chin na tur chu buatsaih vat tur ani. Hei hian a than hun laiin natna hrikin lakah a veng dawn ani. Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani. A chi thlak hma in a chi chu en fiah hmasak tur ani. A than a that theih nan nikhat danah tui pek thin tur ani.
VEGETABLE CRO Tomato	Bacterial Blight disease		 Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease		 A than a that theih nan nikhat danah tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn
		612 1	4 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	Nursery stage	Poly house	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	MAMIT	AIZAWAL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	3.5	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	1 (19)(2) E)	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage		 A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam
		6 N 2	
		4	5 P a g e



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.
	{ MAIMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	1. Vawknote emaw vawk lak hran.
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	• Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.
	All age group	Foot and Mouth Disease (FMD)	• Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhunzawm tur ani.
	Young stage	Black Quarter (BQ)	 Black Quarter Vaccine (BQV). Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur. Chumi hnuah chuan Vaccine hi kum tin pek tur ani.
Poultry	Litter management	LAWNGTLAL	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.
		900	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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



		 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.
	entive 0-3 rd week	Ranikhet Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan
meas	sures	a puitlingh chuan R ₂ B vaccine pek tur ani.
	1 2 5	B complex with antibodies
6	4 th weeks	Coccidiosis- Amprolium or coccidiostat
	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	ATZAWAL	CHAMPAI
Monito (Sangha enkawl	a	 tur ahra, mutar atalig a tur io mseam 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.
	126	~
	V/V	7 P a g e

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	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	(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



8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Mamit

Period: 31 January – 04 February, 2018

Bulletin No	- 766	/2018/	Bulletin	/English	1
--------------------	-------	--------	----------	----------	---

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	25	24	24	24	
Min Temp (°C)	12	12	11	10	10	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	30	27	23	21	18	
Wind Speed (KmpH)	2	2	4	2	4	
*Wind Direction	E	S-E	E	E	S-E	
Northe	rly- N, North-	Easterly- N-E, Ea	asterly- E. South	-Easterly- S-E.		
		Westerly- <mark>S-W</mark> , W				
Status of Post Mons						
Aizawl- 18.1mm	Champh	ai- 12.00mm	Saiha- 13.9 m	m Kolasil	b- 21.4mm	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m	m Serchh	ip-17.7mm	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary of	of the past	Weather for	ecast valid fror	n 31 st January	, 2018 To	
three day	s		04 th Februar	ry, 2018.		
Maximum Tem. (°C):2	21-22°C	There are no c	hances of rainf	all during the	next 5 days.	
Minimum Tem. (°C):0	9-10°C	The maximum and minimum temperatures for the next 5				
Maximum RH (%):72-		days may range for 24-26°C and 10-12°C. Maximum				
Minimum RH (%):44-		5 5	0			
Wind Direction: Easte		relative humidity is expected in the range of 100% and minimum may from 18-30%. Wind direction would be				
Cloud cover: Clear sk	• ·	easterly to southeasterly to easterly and southeasterly with				
Wind speed: 1-2 km/	hr	the wind speed of 2-4 km per hour. Clear sky will prevail				
		during the next		nour. Cicar sk	y will prevail	
Rainfall: 00.0 mm		during the next	iive days.			
		TTZ - 1				
		week	ly cumulative	_		
NDVI for Mizoram		North East Region 39 June 20	5 5	condition oc	ccurs in all	
		~ ····	districts of	Mizoram.		
			; }			
		AS I				
		Aproxime report in post one most of the part in infer	h Aliani			
		Topost and Vegitalities whereas incolored region is notice of the region.	a to man			
		VVV	N		1 Page	
		the second second	ALC: NOTE: N		Illage	



ICAR RESEARCH COMPLEX FOR NEH REGION



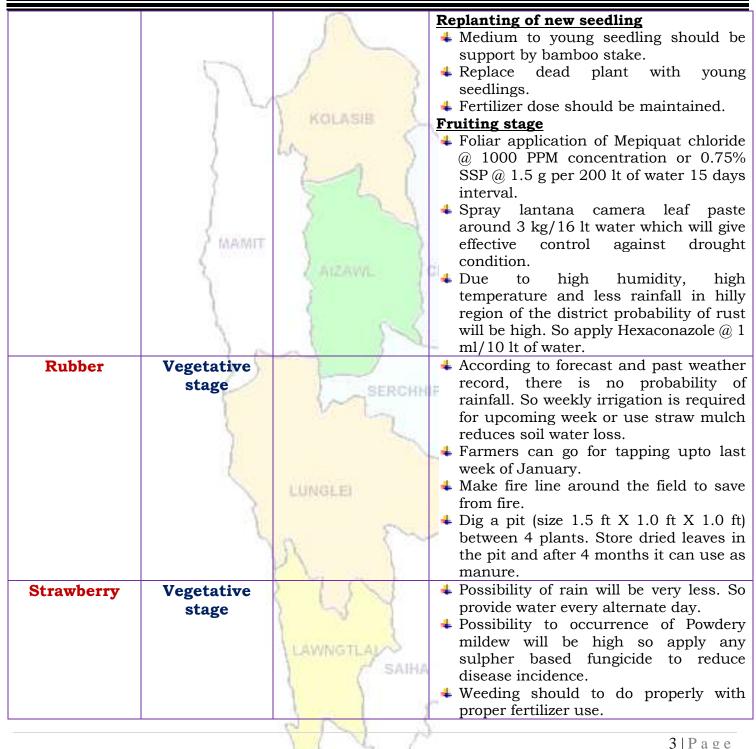
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		I	·
KHASI MANDARIN AND ACID LIME	Harvesting stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch
BANANA	1	EL(reduces soil water loss. First harvest can be done 5 to 6 years after planting. Fruits are harvested when they attain
STAR FRUIT	{ MAINIT	AIZAWA	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	25	SERCH	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of
	}	~ h	 three weeks after post-harvest treatment with Bavistin (1000 ppm.). Diseased and senile branches should be removed.
	~	Fruit fly LUNGLEI	In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LAWNGTLA	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.
		1141	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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





3 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



		\cap	 The plants are-cut close to the ground. The crop is irrigated lightly for easy
			digging.
			 Harvesting consists of digging of
	1 1	5 5	underground clumps of rhizomes
		(with pick axe or digging fork.
	1 3	KOLASIE	
	1	1	Fingers are separated from mother
)	LA.	rhizomes.
	(1 0 6	↓ Wash clumps of rhizomes with water
	1		and keep it for sundry.
	1	2 5	Seed stock will be store from partially
		2	dry sample.
	Same		Cut the rhizome to small pieces for
	/ MAMIT	1	proper drying.
Early cole	Vegetative	A AZAWAL	+ According to forecast and past weather
crop	stage		record, there is no probability of
		2	rainfall. So weekly twice irrigation is
	100	1 0 1	required for upcoming week or use
	1		straw mulch reduces soil water loss.
	2 6		4 Intercultural operations should be done
	$\left(1 \right)$		regularly to keep the crop free from
	2	SERCHN	weeds and aeration of the root system.
	8	No to	4 Remaining quantity of nitrogen is
			applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	+ Intercultural operations should be
	stage		done regularly to keep the crop free
		NUM VINCES V	from weeds and aeration of the root
		LUNGLEI	system.
	3		+ Remaining quantity of nitrogen is
	1	2	applied 30-40 days after transplanting.
		<u>n</u> (Provide irrigation if water is require.
			Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		M A A	(Apron)/ kg seed
			 Inprofit/ kg seed Drenching 1% Bordeaux mixture or 2 g
		1 -2 1	captan or 3 copper oxychloride/ It of water
		1	at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAL	+ Possibility of rain will be less coming
	stage	- SAIHA	
	8-	1 6	be done 2 days interval.
			+ Intercultural operations should be done
		N R I	regularly to keep the crop free from
		1120	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

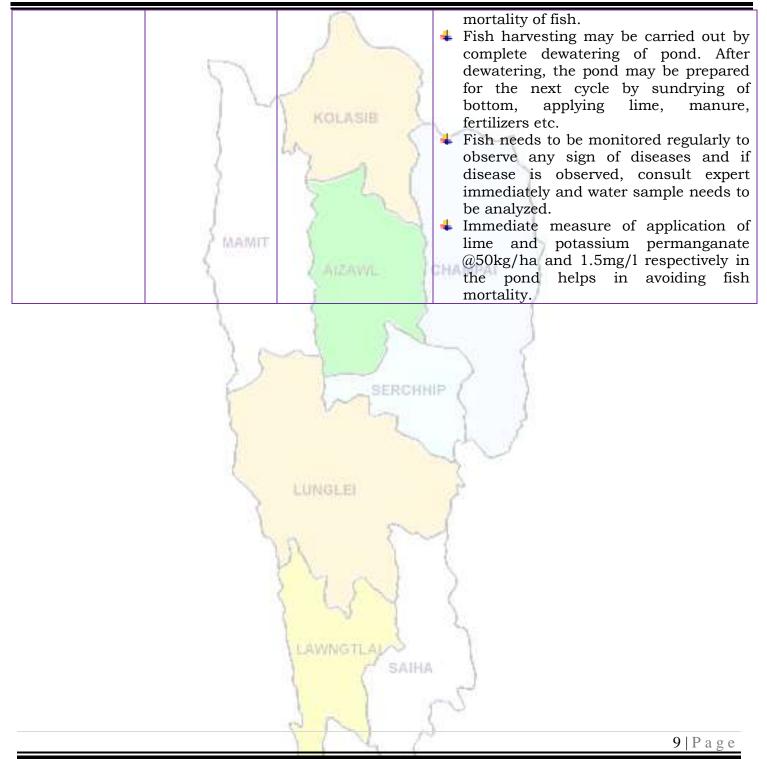


Poultry	All age group	KOLASIB AIZAWL	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair near the udder/stomach/back legs should be teamed short. Provide preventive dose of anti-coccidial drugs to poultry. Provide glucose/electral along with vitamin supplements (@5- 6ml/100
	F	SERCHH	 birds) with adequate potable water Avoid overcrowding. Provide broad-spectrum antihelminthic drugs under vet supervision and recommended deser
FISHERY	3		vaccine, 35 days: F/Lasota, 6-7 weeks: Chicken embryo adopted fowl pox vaccine and 56-70 days: RD R-2B strain. Remove wet litter.
	Monitoring of fish in pond		 Care should be taken that fish are fed with feed that are free from fungus. If the fungal growth is observed in fish feed, the feed needs to be sundried for few days prior to feeding. Fish feed should be stored in cool and dry place to avoid fungal growth that releases aflatoxin which could lead to
		1121	8 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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:

Programme Coordinator Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Mamit

Period: 31 January – 04 February, 2018

Bulletin	No: -	766	/2018/	Bulletin/	'Mizo
			1	1	10

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018	
Rainfall (mm)	0	0	0	0	0	
Max Temp (°C)	26	25	24	24	24	
Min Temp (°C)	12	12	11	10	10	
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky	
Max RH (%)	100	100	100	100	100	
Min RH (%)	30	27	23	21	18	
Wind Speed (KmpH)	2	2	4	2	4	
*Wind Direction	E	S-E	E	E	S-E	
Northe	rly- N, North-I	Easterly- N-E, East	sterly- E, South	-Easterly- S-E,		
		Vesterly- <mark>S-W</mark> , We				
Status of Post Mons				from normal in po	arenthesis)	
Aizawl- 18.1mm	Champha	i- 12.00mm	Saiha- 13.9 m		b- 21.4mm	
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)	
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		<mark>ip-17.7mm</mark>	
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)	
Weather summary	•	31 st January	– 04 th Februa	a <mark>ry, 2018 ch</mark>	hunga sik	
three day	s	leh sa dinhmun tur tlangpui				
Maximum Tem. (°C):2 Minimum Tem. (°C):0 Maximum RH (%):72- Minimum RH (%):44- Wind Direction: Easter Cloud cover: Clear sk Wind speed: 1-2 km/2 Rainfall: 00.0 mm	9-10°C 1 86% 56% erly ,	Tun ni 5 chhur tura beisei a ni. vawh lai ber in berin 100% leh a Thli hi darkar k zawngin a tleh s hian khawthiang Weekl	Khua a lum lai 10-12ºC ni tu a hniam lai ber chatah 2-4 km rin a ni. A tlan g tak hmuh beis y cumulative	berin 24-26°C ura beisei a ni rin 18-30% ni t vela chakin c ngpuiin tun ni sei a ni. rainfall: 00.0r	a ni ang a. A . RH san lai ur a rin niin. hhaklam awi nga chhung nm	
NDVI for Mizoram		North Last Report 20 Amer. 2017 Image: State	districts of	condition oc Mizoram.		
		1 4			1 P a g e	



ICAR RESEARCH COMPLEX FOR NEH REGION

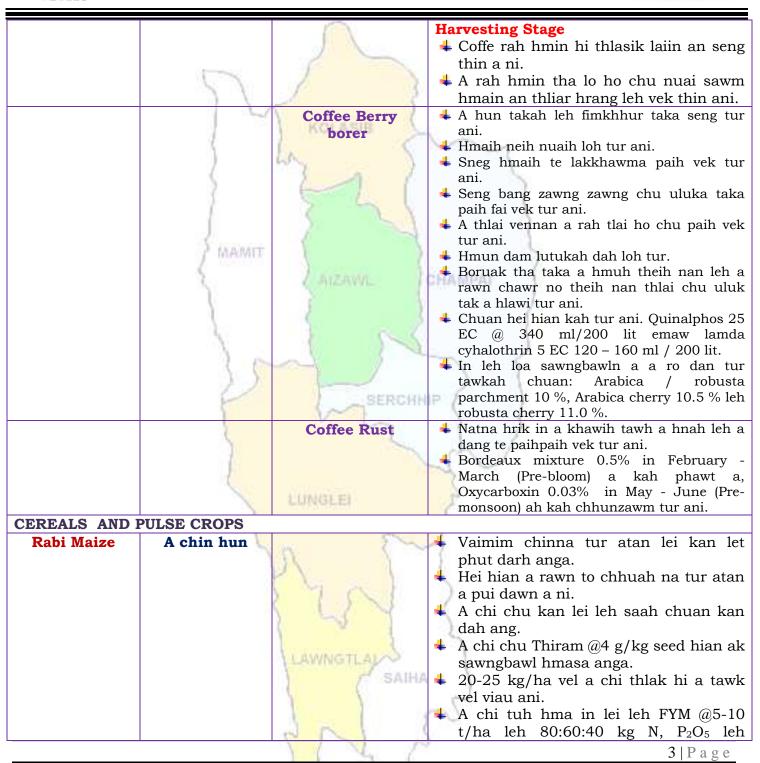


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal				
Animal		practices/ Pest/	husbandry advisories				
/Fisheries		Diseases					
FRUITS CROPS			1				
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur				
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul				
AND ACID	8	1 marchine C	velah dahkhawm tur ani.				
LIME)	La l	👍 Thlai naupang deuah chuan chawlh				
	(3 0 1	kar tin a tui pek thin tur ani.				
BANANA	2		🖊 Leia tha mamawh tawk a hmuh				
	1	2 5	theihna turin a hmunhma a hnim awm				
			te thlawhfai thin tur ani.				
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha				
	/ meaning	5	taka pek hian a rah tla tur chelh nan				
	3.0	2 ATZAWAL 1	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 him nature a stem dub a Sail hama nature				
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh				
		greening and	a trangah te hnawih tur ani.				
	11	Dieback					
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu				
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2				
	5		percent emaw malathion 0.15 percent				
	1		suspension containing sugar or jeggery at				
			10 g/l.				
PLANTATION CR							
COFFEE	All stages	2011/03/2011/1	Nursery stage				
	1	1000	+ Thlai chi thlak hma in Azospirillum leh				
	1	n 2~~	Phosphobacterium a enkawl tur ani.				
		1	+ A chi hi December – January ah hmun				
		The set V	zawl/rualrem 1.5 - 2.5 cm a in hlatin				
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.				
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a				
			buhpawla khuh tur ani.				
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh				
		- SAIHA	nan niin a chhun loh nan zar hliah tur				
		(SAINA	ani. Ni 45 haar aalah a diala dhin a ahar ahar				
			4 Ni 45 hnu velah a tiak thin a,chu chu				
bag ah an sawn chhuak leh thin ani.							
			2 P a g e				



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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.
		PN 2	
			5 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)



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

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



	5	\sum	 Tui an in tur chhawpna tur tha /liat tha tak leh tui thianghlim tak pek tu ani. Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
	Preventive	0-3 rd week	4 Ranikhet Disease- an pian atanga n
	measures	En S	1-6 ah F1 vaccine pek tur ani a, chua
	1	~~~ }	a puitlingh chuan R ₂ B vaccine pek tu
	2		ani.
			B complex with antibodies
		4 th weeks	4 Coccidiosis - Amprolium o
	FINAMIT		coccidiostat
	2. 0000000	4-5 th Weeks	4 Calcium tonic fortified with B ₁₂
FISHERY	1	(AIZAWIL)	CHAMPAI
	Monitoring (Sangha enkawl)	LUNGLEI	 tur ani a, initial atang a tur io nisear thin, aflatoxin avang a sangha thi latatangin 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 lei tuisen @1.5mg/l diltui a hman hian sangha natna avang a thi tur latatangin a veng thei.
		P 1 7	
			7 P a g e

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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



Expert committee members:

Dr. S.B. Singh	:	Joint Director	<u>basantasinghsoibam@rediffmail.com</u>
Dr. Saurav Saha	1:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. 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



8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Saiha

Period: 31 January – 04 February, 2018

Bulletin	No: -	766	/2018/	Bulletin/	English	1
			1	1	0	

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018		
Rainfall (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	24	24	24		
Min Temp (°C)	12	12	11	10	10		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	83	88	65	60	56		
Min RH (%)	24	27	18	17	14		
Wind Speed (KmpH)	3	3	4	4	4		
*Wind Direction	N-E	E	N-E	N-E	N-E		
Northe	rly- N, North-	Easterly- N-E, Ea	sterly- E, South	-Easterly- <mark>S-E</mark> ,			
		Westerly- <mark>S-W</mark> , We					
Status of Post Mons							
Aizawl- 18.1mm	Champh	ai- 12.00mm	Saiha- 13.9 m		b- 21.4mm		
(11.6mm)		(12.1mm)	(10.0n		(14.4mm)		
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		ip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)		
Weather summary	· · · · · · · · · · · · · · · · · · ·	Weather fore	ecast valid from	· · · · · · · · · · · · · · · · · · ·	r, 2018 To		
three day			04 th Februar				
Maximum Tem. (°C):1		There are no cl					
Minimum Tem. (°C):0		The maximum and minimum temperatures for the next 5					
Maximum RH (%):72-		days may range for 24-26°C and 10-12°C. Maximum					
Minimum RH (%):46-		relative humidity is expected in the range of 56-83% and					
Wind Direction: East		minimum may	from 14-27%.	Wind direction	on would be		
Cloud cover: Clear sk	• ·	northeasterly to	easterly and	northeasterly w	vith the wind		
Wind speed: 0-2 km/	hr	speed of 3-4 km	~	<i>.</i>			
Rainfall: 00.0 mm		next five days.	1	J			
Kaiman: 00.0 mm		j					
		Week	y cumulative	rainfall: 00.0	mm		
NDVI for Mizoram		21 P. (1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		condition of			
		North East Region 29 June 211	districts of				
			- married				
		۹۵. ۳.	j				
		Agriculture report is good some mod of the parts horizonty fragment and Weightedean whereas modeled to report is noticed	August 11-met				
		(2) X 1					
		1 Charles	1		1 P a g e		



ICAR RESEARCH COMPLEX FOR NEH REGION



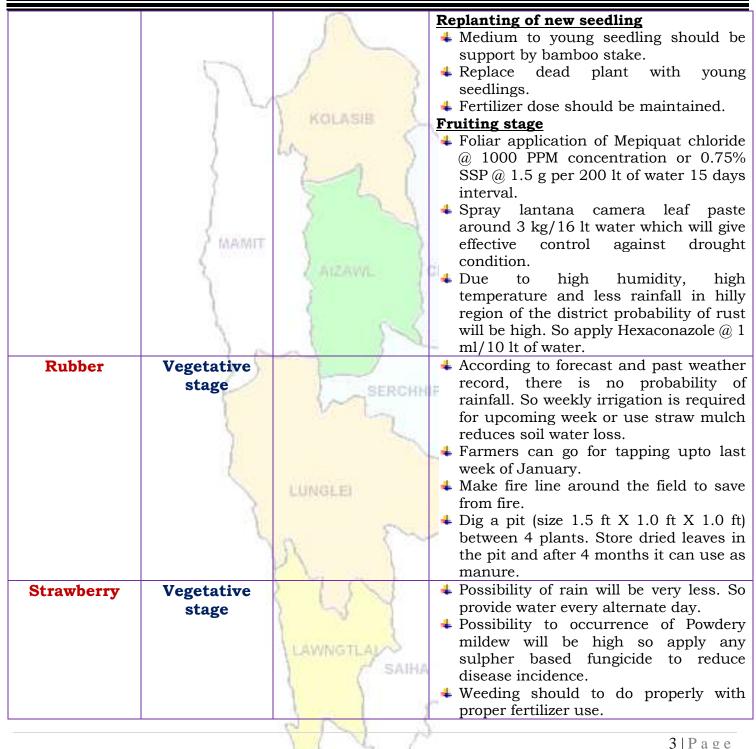
Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS		'	
KHASI MANDARIN AND ACID LIME	Harvesting stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	}	52(First harvest can be done 5 to 6 years after planting. Fruits are harvested when they attain
STAR FRUIT	{ MAINIT	AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	Z	SERCH	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.).
	2	Fruit fly LUNGLEI	 Diseased and senile branches should be removed. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	 Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	LAWNGTLA	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.
		1 N N	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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





3 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



			The plants are-cut close to the ground.
			4 The crop is irrigated lightly for easy
		f in	digging.
	67	1 3	4 Harvesting consists of digging of
			underground clumps of rhizomes
	in the second	V COLORING (with pick axe or digging fork.
		KOLASIB	+ Fingers are separated from mother
		Lo S	rhizomes.
	1	~ 7 ~ 7	\downarrow Wash clumps of rhizomes with water
	2		and keep it for sundry.
)	5 5	Seed stock will be store from partially
		5 54	dry sample.
	2		+ Cut the rhizome to small pieces for
	MAMIT		proper drying.
Early cole	Vegetative	AIZAWL 1	According to forecast and past weather
crop	stage	Commune 1	record, there is no probability of
	5	5	rainfall. So weekly twice irrigation is
	1.0		required for upcoming week or use
	1		straw mulch reduces soil water loss.
	1 0	~ 1 ~	Intercultural operations should be done
)))		regularly to keep the crop free from
		SERCHN	weeds and aeration of the root system.
	5	1 million	Remaining quantity of nitrogen is
		120 1999	applied 30-40 days after transplanting.
Onion	Vegetative	Poly house	4 Intercultural operations should be
	stage		done regularly to keep the crop free
		NIN	from weeds and aeration of the root
		LUNGLEI	system.
	3		+ Remaining quantity of nitrogen is
	1	5	applied 30-40 days after transplanting.
		<u>n</u> (~~	Provide irrigation if water is require.
			Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		17 C	(Apron)/ kg seed
			 Drenching 1% Bordeaux mixture or 2 g
		1 20 1	captan or 3 copper oxychloride/ It of water
			at 10-15 DAS are effective.
French bean	Vegetative	LAWNGTLAN	Possibility of rain will be less coming
	stage	SAIHA	5
	0		be done 2 days interval.
			+ Intercultural operations should be done
		ARI	regularly to keep the crop free from
		1 Charl	5 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Capsicum	Transplant stage	Poly house KOLASIB	 weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after sowing. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to flowering stage	AIZAWAL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant.
Chilli	Vegetative to flowering stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Apply split dose of nitrogenous fertilizer to the plant. Staking should be done.
Tomato	Transplant stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Interculture operation should be done near to the base of the plant. Fertilizer application in split dose of recommended dose. Staking should be done for better fruit growth.
		Damping off	Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g
		001	
			6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

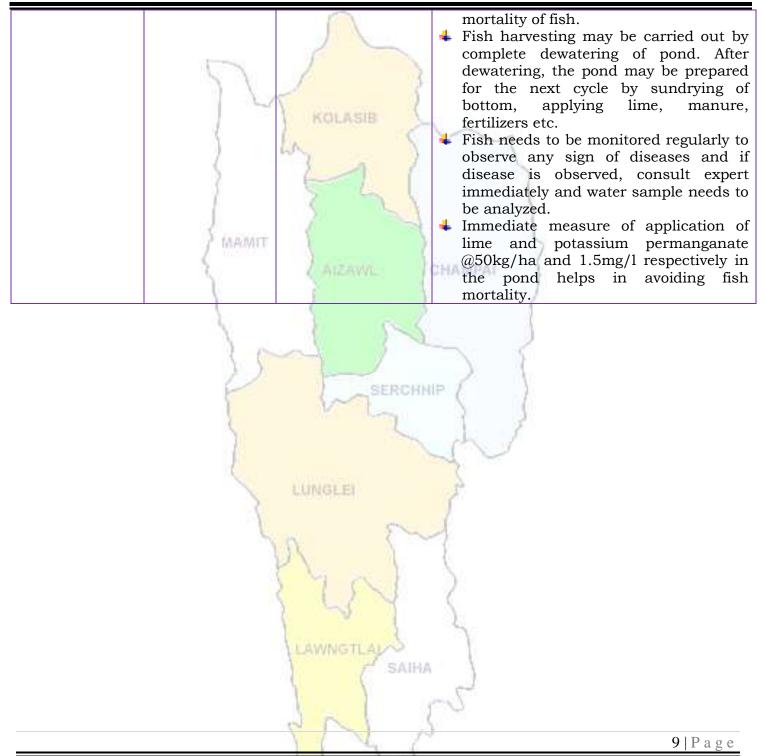


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair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



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION

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



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		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:

Programme Coordinator Name of the **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 Head & Sr. Scientist kvkaizawl@rediffmail.com

LAWNGTLA SAIHA

10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Saiha

Period: 31 January – 04 February, 2018

Bulletin No: -	766/2018/	Bulletin/Mizo
----------------	-----------	---------------

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	24	24	24
Min Temp (°C)	12	12	11	10	10
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	83	88	65	60	56
Min RH (%)	24	27	18	17	14
Wind Speed (KmpH)	3	3	4	4	4
*Wind Direction	N-E	E	N-E	N-E	N-E
Northe	rly- N, North-	Easterly- N-E, E	asterly- E, Sout	h-Easterly- <mark>S-E</mark> ,	
		Westerly- <mark>S-W</mark> , W			
Status of Post Mon					
Aizawl- 18.1mm	Champh	ai- 12.00mm	Saiha- 13.9 m		i <mark>b- 21.4mm</mark>
(11.6mm)		(12.1mm)	(10.01		(14.4mm)
Lawngtlai-06.4mm	Lungle	ei-07.4mm	Mamit-24.3m		11p-17.7mm
(07.1mm)		(08.7mm)	(09.6n	· · · · · · · · · · · · · · · · · · ·	(12.9mm)
Weather summary	-	31 st January	v – 04 th Febru	a ry, 2018 cl	1hunga sik
three day	s	lel	h sa dinhmu	n tur tlangpu	1 i
Maximum Tem. (°C):1 Minimum Tem. (°C):0 Maximum RH (%):72- Minimum RH (%):46- Wind Direction: East Cloud cover: Clear sk Wind speed: 0-2 km/2 Rainfall: 00.0 mm	8-11°C 84% 54% erly y	vawh lai ber i berin of 56-839 niin. Thli hi da awi zawngin a hian khawthiar Wee	. Khua a lum la n 10-12°C ni t % leh a hniam 3 arkar khatah 3- tleh rin a ni. A t ng tak hmuh be cly cumulative Mildly dr	i berin 24-26°C tura beisei a n lai berin 14-27 4 km vela cha langpuiin tun r isei a ni.	2 a ni ang a. A i. RH san lai % ni tur a rin kin chhaklam ni nga chhung mm
		Renth Exet Region 22 Auxil	districts of		1 Page



ICAR RESEARCH COMPLEX FOR NEH REGION

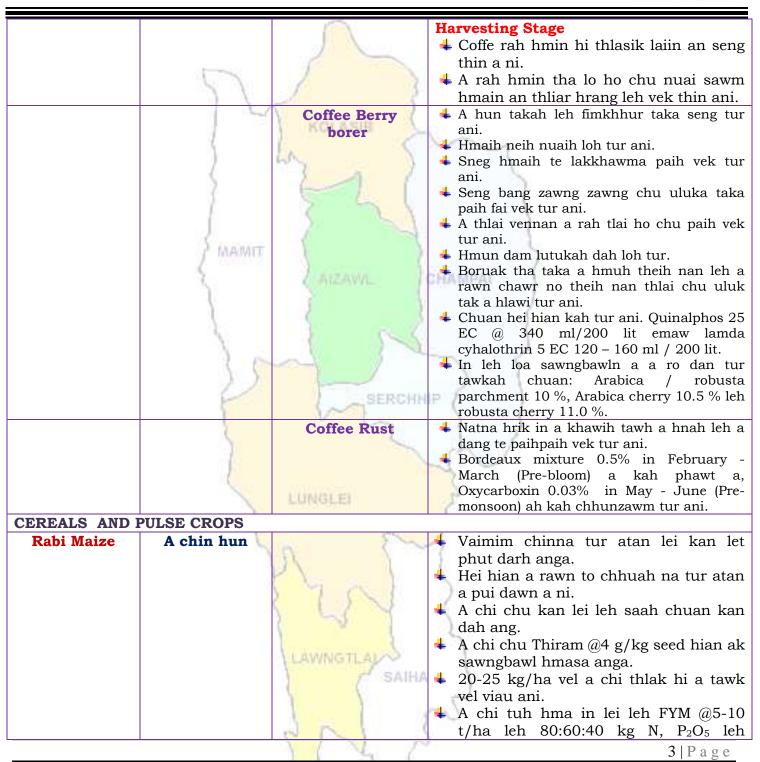


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			1
KHASI	A kui atanga	2	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIB	vennan chuan hnim hnah hring tlai bul
AND ACID	8	1 marchine C	velah dahkhawm tur ani.
LIME)	La l	👍 Thlai naupang deuah chuan chawlh
	(3 0 1	kar tin a tui pek thin tur ani.
BANANA	2		🖊 Leia tha mamawh tawk a hmuh
	1	2 5	theihna turin a hmunhma a hnim awm
			te thlawhfai thin tur ani.
STAR FRUIT	AMAMIT		4 A seng hma kar 6 chhung chu tui tha
	/ meaning	5	taka pek hian a rah tla tur chelh nan
	30	2 ATZAWAL 1	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 him nature a stem dub a Sail hama nature
		canker, citrus	hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh
		greening and	a trangah te hnawih tur ani.
	11	Dieback	
	-	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu
	1	V La	heng te hian enkawl tur ani: carbaryl 0.2
	5		percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
			10 g/l.
PLANTATION CR			
COFFEE	All stages	2011/03/2011/1	Nursery stage
	1	1000	+ Thlai chi thlak hma in Azospirillum leh
		~ 5~	Phosphobacterium a enkawl tur ani.
		1	+ A chi hi December – January ah hmun
		The set V	zawl/rualrem 1.5 - 2.5 cm a in hlatin
		2 1 5 5 5	tlar mumal tak siam in chin tur ani.
		1 55 7	+ Chuan a chi chu lei tlem te a chhilh a
			buhpawla khuh tur ani.
		LAWNGTLAL	4 Nitin tui pek tur ani a, a sat lutuka loh
		- SAIHA	nan niin a chhun loh nan zar hliah tur
		(SAINA	ani. Ni 45 haar aalah a diala dhin a ahar ahar
			4 Ni 45 hnu velah a tiak thin a,chu chu
			bag ah an sawn chhuak leh thin ani.
		6 1 N	
			2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION

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



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

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



ICAR RESEARCH COMPLEX FOR NEH REGION



Preventive measures 0-3 rd week ani. Chaw a hmuar/thing pek loh tur a an chaw eitur thlak sak thut lol ani. Preventive measures 0-3 rd week ani. Ranikhet Disease- an pian atam 1-6 ah F1 vaccine pek tur ani a, c a puitlingh chuan R2B vaccine pe ani. B complex with antibodies 4th weeks Coccidiosis- Amprolium coccidiostat FISHERY 4-5th Weeks 4 Calcium tonic fortified with B12 FISHERY 4 Sangha te hi chaw a hmuar k chauh pek thin tur ani. Sangha ch a phoro phawt tur ani. Monitoring (Sangha enkawl) 4 Sangha te hi chaw a hmuar k chauh pek thin tur ani.				
measures 1-6 ah F1 vaccine pek tur ani a, c a puitlingh chuan R2B vaccine per ani. B complex with antibodies 4th weeks Coccidiosis- Amprolium coccidiostat 6 4-5th Weeks Calcium tonic fortified with B12 FISHERY Monitoring (Sangha enkawl) 4 Sangha chaw hi a hmuar ke chauh pek thin tur ani. Sangha chaw hi a hmuar lohna hmun ro leh uap lutuk lo ah dal		5	\bigwedge	Chaw a hmuar/thing pek loh tur ani a an chaw eitur thlak sak thut loh tu ani.
Image: state of the state		6	0-3 rd week	Ranikhet Disease- an pian atanga n 1-6 ah F1 vaccine pek tur ani a, chuar a puitlingh chuan R ₂ B vaccine pek tu
4th weeks Coccidiosis- coccidiostat Amprolium coccidiostat 4-5th Weeks Calcium tonic fortified with B12 FISHERY Sangha te hi chaw a hmuar k chauh pek thin tur ani. Sangha ch lo hmuar anih chuan pek hma in a phoro phawt tur ani. Sangha chaw hi a hmuar lohna hmun ro leh uap lutuk lo ah dat		3	61	
FISHERY Calcium tonic fortilied with B12 FISHERY Monitoring (Sangha enkawl) Sangha te hi chaw a hmuar k chauh pek thin tur ani. Sangha chau h chaun pek hma in a phoro phawt tur ani. Sangha chaw hi a hmuar lohna hmun ro leh uap lutuk lo ah dal		Dunner	4 th weeks	4 Coccidiosis - Amprolium of
Monitoring (Sangha enkawl)		/ MADALT	4-5 th Weeks	+ Calcium tonic fortified with B ₁₂
(Sangha enkawl) (Sangha (Sangha enkawl) (Sangha (Sangha enkawl) (Sangha (Sangh	FISHERY	8	ATZAWIL I	CHAMPAI }
 atangin sangha a him phah thin. Dil sah kang veka sangha man hian a kumleh a sangha khawinan buatsaih a ti awlsam a, dil m phoro, chinai phul, leitha hman le dang in dil buatsaih tur ani. Sangha te natna lak atangin an hin tih enfiah fo a tha a, natna hmuh chuan mithiam te rawn vat a, enfiah vat tur ani. A ranglam a chinai @50kg/ha tuisen @1.5mg/l diltui a hman 		(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.
			C N N	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	:	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	(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

LAWNGTLA SAIHA

8 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 31 January – 04 February, 2018

Date of issue: 30th January, 2018

Parameters	31.01.2018	01.02.2018	02.02.2018	03.02.2018	04.02.2018
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	25	24	24	24
Min Temp (°C)	8	8	8	9	9
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	100	100	100	100	100
Min RH (%)	29	25	21	18	14
Wind Speed (KmpH)	2	0	2	2	2
*Wind Direction	N-E	E	E	N-E	E
Northe	rly- N, North-	Easterly- N-E, East	sterly- E, South	-Easterly- <mark>S-E</mark> ,	
Souther	ly- <mark>S</mark> , South-V	Westerly- <mark>S-W</mark> , We	sterly-W, North	-westerly- N-W.	
Status of Post Mons					
Aizawl- 18.1mm	Champha	ai- 12.00mm	Saiha- 13.9 m		b- 21.4mm
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		ip-17.7mm
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)
Weather summary		Weather fore		n 31 st January	, 2018 To
three day		04 th February, 2018.			
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):78- Minimum RH (%):51- Wind Direction: Easter Cloud cover: Clear sk Wind speed: 1-2 km/ Rainfall: 00.0 mm NDVI for Mizoram	0-11°C 89% 61% erly y hr	There are no ch The maximum a days may range humidity is expe may from 14-29 to easterly to r speed of 0-2km next five days. Weekly	and minimum for 24-26°C and ected in the rate of the r	temperatures fond 8-9°C. Maximus of 100% at the two sets of 100% at two sets of 100\% a	or the next 5 mum relative nd minimum northeasterly ith the wind ail during the mm
		612	P		1 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

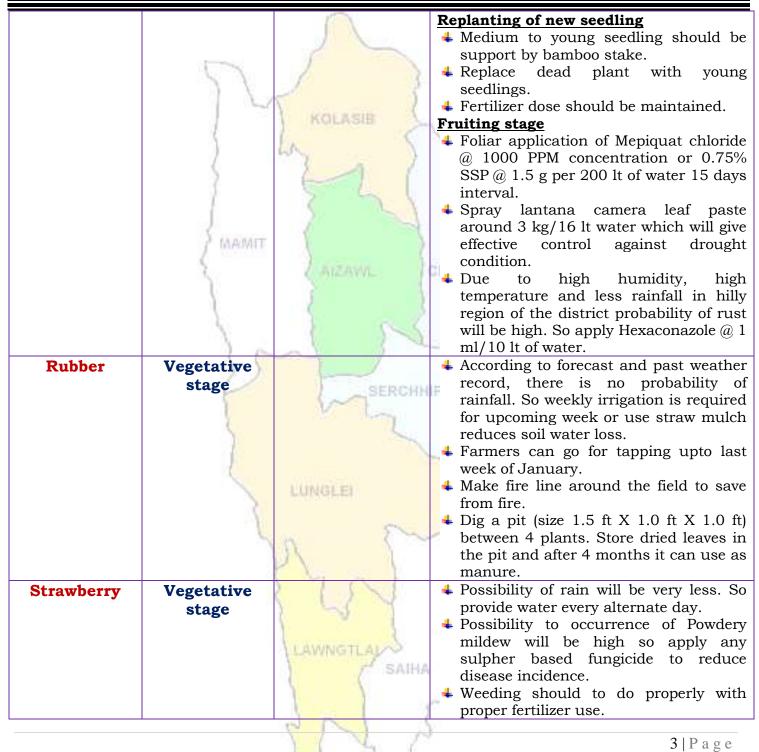


Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			•
KHASI MANDARIN AND ACID LIME	Harvesting stage		 According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
BANANA	1	52(First harvest can be done 5 to 6 years after planting. Fruits are harvested when they attain
STAR FRUIT		AIZAWL	full size, develop attractive colour from green to yellow with optimum sugar and acid blend.
PLUM AND PEACH	Z	SERCH	 Fruits should be harvested preferably with clipper, shears or secateurs. Oranges should not be harvested in wet weather or during rains. Green or fully ripe fruits can be stored in evaporative cool chamber at 8-10°C & 90-95% relative humidity for a period of three weeks after post-harvest treatment with Bavistin (1000 ppm.).
	2	Fruit fly LUNGLEI	 Diseased and senile branches should be removed. In large gardens apply carbaryl 0.2 per cent or malathion 0.15 per cent suspension containing sugar or jeggery at 10 g/l at fortnightly intervals at flowering and fruit initiation.
		Gummosis, citrus canker, citrus greening and Dieback	 Due to low temperature and humidity disease appearance will more. Use Bordeaux past in tree trunk, twigs and branches protect healthy plant from soil borne disease.
PLANTATION CR	OP		
COFFEE	Fruiting stage	SAIHA	According to forecast and past weather record, there is no probability of rainfall. So weekly irrigation is required for upcoming week or use straw mulch reduces soil water loss.
		1 CL	2 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION







ICAR RESEARCH COMPLEX FOR NEH REGION



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



ICAR RESEARCH COMPLEX FOR NEH REGION



	$\sum_{i=1}^{n}$	KOLASIB	 The plants are-cut close to the ground. The crop is irrigated lightly for easy digging. Harvesting consists of digging of underground clumps of rhizomes with pick axe or digging fork. Fingers are separated from mother rhizomes. Wash clumps of rhizomes with water and keep it for sundry. Seed stock will be store from partially dry sample. Cut the rhizome to small pieces for
	MAMIT		proper drying.
Early cole crop	Vegetative stage	AIZAWL	 According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is
0	TT	Data transm	applied 30-40 days after transplanting.
Onion	Vegetative stage	Poly house	 Intercultural operations should be done regularly to keep the crop free from weeds and aeration of the root system. Remaining quantity of nitrogen is applied 30-40 days after transplanting. Provide irrigation if water is require.
		(rs)	 Seed treatment with thiram 3g/kg seed or Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective.
French bean	Vegetative stage	SAIHA	 Possibility of rain will be less coming five days. So alternate irrigation should be done 2 days interval. Intercultural operations should be done regularly to keep the crop free from
			regularly to keep the crop nee nom



ICAR RESEARCH COMPLEX FOR NEH REGION



		0	weeds and aeration of the root system.
		2	Remaining quantity of nitrogen is applied 30-40 days after sowing.
Capsicum	Transplant stage	Poly house	Intercultural operations should be done regularly to keep the crop free from
	stage	T was some ?	weeds and aeration of the root system.
	1	KOLASIB	4 Remaining quantity of nitrogen i
)	Why and I	applied 30-40 days after transplanting. Provide irrigation if water is require.
Brinjal	Fruiting to		4 According to forecast and past weather
	flowering	2 5 1	record, there is no probability of
	stage		rainfall. So weekly twice irrigation i required for upcoming week or us
	MAMIT		straw mulch reduces soil water loss.
	5	ANZAWAL 1	4 Interculture operation should be don
	1		near to the base of the plant.
		5	Apply split dose of nitrogenou fertilizer to the plant.
Chilli	Vegetative to	1	4 According to forecast and past weather
	flowering		record, there is no probability of
	stage		rainfall. So weekly twice irrigation in required for upcoming week or us
		SERCHN	straw mulch reduces soil water loss.
	1		4 Interculture operation should be don
	30		near to the base of the plant.
	- P		Apply split dose of nitrogenou fertilizer to the plant.
	1	LUNGLE	Staking should be done.
Tomato	Transplant		+ According to forecast and past weather
	stage	5	record, there is no probability of rainfall. So weekly twice irrigation i
		A M	required for upcoming week or us
		(hand hand hand hand hand hand hand hand	straw mulch reduces soil water loss.
			Interculture operation should be don
		1 20 1	 near to the base of the plant. Fertilizer application in split dose of
		LAWNGTLAN	recommended dose.
		SAIHA	Staking should be done for better fru growth.
		Damping off	Seed treatment with thiram 3g/kg seed of Trichoderma viride 4g+ metalaxyl 4
		and 1	I Inchoucinia viriue 4g+ metalaxyi 4
		1 4 C	6 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION



Potato	Vegetative	\sum	 (Apron)/ kg seed Drenching 1% Bordeaux mixture or 2 g captan or 3 copper oxychloride/ lt of water at 10-15 DAS are effective. Earthing up should be done near to
	stage	KOLASIB	 the plant for better growth of tubers and avoid greening of tuber. According to forecast and past weather record, there is no probability of rainfall. So weekly twice irrigation is required for upcoming week or use straw mulch reduces soil water loss. Apply split dose of nitrogenous fertilizer.
ANIMAL HUSBE			
Pig	All stages	Porcine Reproductive Respiratory	 Animals must keep in dry place or kept in alleviated area and dry bedding (straw) to be provided to young animals. 1st injection at 6 months of age and 2nd injection at 12 months of age followed by annual vaccination under vet supervision against FMD. Reduce concentrate diet up to 5%. Provide adequate potable water. In present weather conditions vaccinate against swine fever (Vaccines available in State Veterinary Departs) Culling of positive pigs or piglets.
Cattle	All age group	1 1	 In present weather conditions, special care should be taken against attack of maggots in the wounds of animals. Application of turpentine oil in the wounds followed by application of antibiotics for five days is advised. Provide UMB/Molases if possible in the feed Provide 10-30 ml of vitamin B-Complex
		6 1 3	7 D
		1 4 6	7 P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

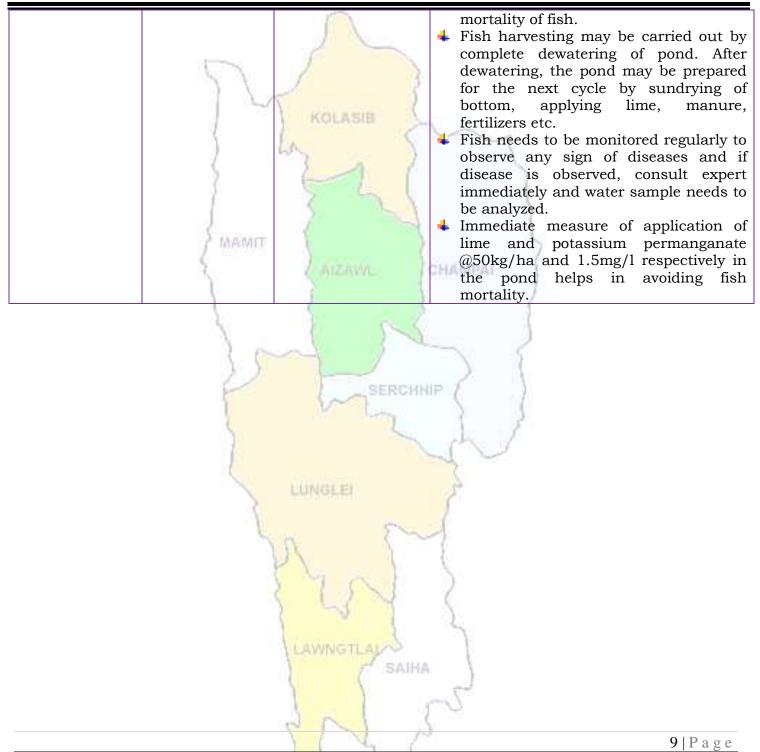


Poultry	All age group	KOLASIB	 in feed 1st injection at 6-8 weeks of age, 2nd injection after 6 months of 1st injection followed by annual vaccination under vet supervision. Separate sick animals. The animal should be washed with lukewarm water added with little potash (KMnO4) or neem leaves. Long hair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



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	١.	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:

Programme Coordinator Name of the **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



10 | P a g e



ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)



District: Serchhip

Period: 31 January – 04 February, 2018

Bulletin No:	766/2018/	Bulletin/Mizo
--------------	-----------	---------------

Date of issue: 30th January, 2018

Rainfall (mm)				03.02.2018	04.02.2018		
Kaiman (mm)	0	0	0	0	0		
Max Temp (°C)	26	25	24	24	24		
Min Temp (°C)	8	8	8	9	9		
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky		
Max RH (%)	100	100	100	100	100		
Min RH (%)	29	25	21	18	14		
Wind Speed (KmpH)	2	0	2	2	2		
*Wind Direction	N-E	E	E	N-E	E		
Northe	rly- <mark>N</mark> , North-I	Easterly- <mark>N-E</mark> , Eas	sterly- E, South	-Easterly- <mark>S-E</mark>	,		
		/esterly- <mark>S-W</mark> , We					
Status of Post Mon		• •					
Aizawl- 18.1mm	Champha	<mark>i- 12.00mm</mark>	Saiha- 13.9 m		ib- 21.4mm		
(11.6mm)		(12.1mm)	(10.0m		(14.4mm)		
Lawngtlai-06.4mm	Lungle	i-07.4mm	Mamit-24.3m		hip-17.7mm		
(07.1mm)		(08.7mm)	(09.6m		(12.9mm)		
Weather summary		31 st January	– 04 th Februa	a ry, 2018 c	hhunga sik 🛛		
three day	S	leh sa dinhmun tur tlangpui					
Maximum Tem. (°C):1 Minimum Tem. (°C):1 Maximum RH (%):78- Minimum RH (%):51- Wind Direction: East Cloud cover: Clear sk Wind speed: 1-2 km/ Rainfall: 00.0 mm	0-11°C 89% 61% erly 5y	Maria Maria and Andrea	Khua a lum lai 8-9°C ni tura l um lai berin 14 ah 0-2 km v rin a ni. A tla: g tak hmuh bei y cumulative	berin 24-26% beisei a ni. RH -29% ni tur a vela chakin o ngpuiin tun r sei a ni. rainfall: 00.0	C a ni ang a. A I san lai berin a rin niin. Thli chhaklam awi ni nga chhung		
		Sector Loss Region 29 Augus 2017	conditions		1 Page		



ICAR RESEARCH COMPLEX FOR NEH REGION



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	A kui atanga	5	4 Thlasik laia thlai bul khoro lutuk tur
MANDARIN	a seng hun	KOLASIE	vennan chuan hnim hnah hring tlai bul
AND ACID	1	0	velah dahkhawm tur ani.
LIME)	64 J	4 Thlai naupang deuah chuan chawlh
BANANA	5	2 1	kar tin a tui pek thin tur ani. Leia tha mamawh tawk a hmuh
DANANA	5	Star La L	theihna turin a hmunhma a hnim awm
		$\langle f \rangle$	te thlawhfai thin tur ani.
STAR FRUIT	2		A seng hma kar 6 chhung chu tui tha
STAR FRUIT	/ MAINIT		taka pek hian a rah tla tur chelh nan
	S	LAIZAWAL 1	leh a rah than that nan te leh a rah
PLUM AND	1	Concentrate: 1	keh tur lakah t a veng thei ani.
PEACH		1	
	200	Gummosis, citrus	4 Temperture hniam lutuk leh hnawng vang
	1	canker, citrus	hian natna a a tam duh a . Soil bome natna
	2 0	greening and	laka vennan Bordeaux past hi thing zar leh
		Dieback	a trangah te hnawih tur ani.
	P	Fruit fly RCHH	Huan zau takah chuan a par tan tirh leh a
	1	V	rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2
			percent emaw malathion 0.15 percent
	1		suspension containing sugar or jeggery at
	JP.		10 g/l.
PLANTATION CR	OP		
COFFEE	All stages	Provide States and States an	Nursery stage
		0.0	+ Thlai chi thlak hma in Azospirillum leh
	5	n (~~	Phosphobacterium a enkawl tur ani.
		1	A chi hi December – January ah hmun
		M ALL	zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.
			+ Chuan a chi chu lei tlem te a chhilh a
		2 -2 1	buhpawla khuh tur ani.
			 Nitin tui pek tur ani a, a sat lutuka loh
		LAWNGTLAL	nan niin a chhun loh nan zar hliah tur
) / SAIHA	ani.
			4 Ni 45 hnu velah a tiak thin a,chu chu
		1	bag ah an sawn chhuak leh thin ani.
		NN S	
		1146	2 P a g e

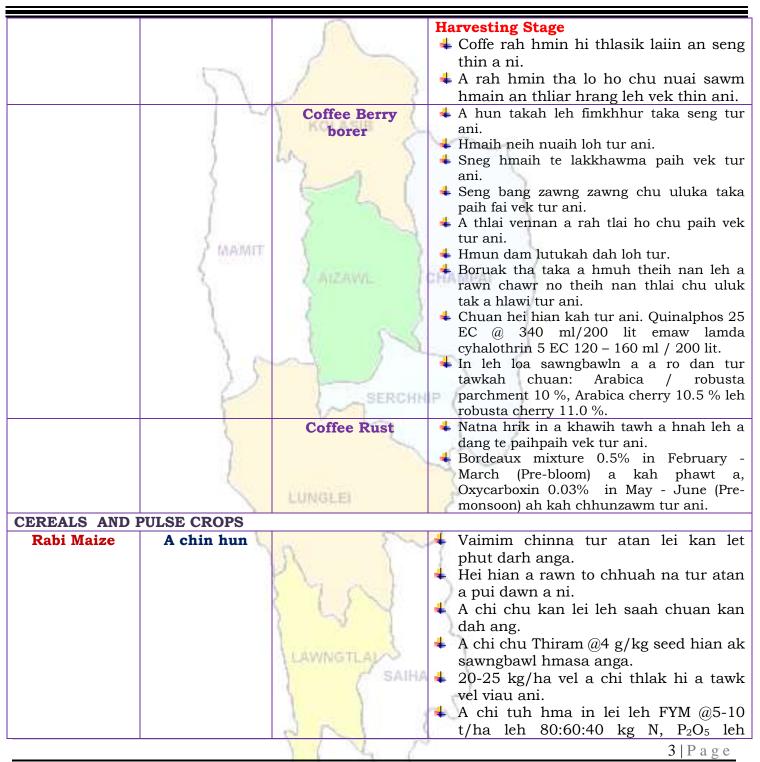


ICAR RESEARCH COMPLEX FOR NEH REGION

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

Guwahati)







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



ICAR RESEARCH COMPLEX FOR NEH REGION



Onion and	Nursery stage	Poly house	 awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani. A than a that theih nan nikhat danah
capsicum	MAMIT	AIZAWAL	 tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.
	35	Phytopthora blight	 A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.
French bean	Sowing stage	LUNGLEI	 Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani. A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.
Carrot and radish	Sowing stage	LAWNGTLA	 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.
		601)
			5 Page



ICAR RESEARCH COMPLEX FOR NEH REGION



ANIMAL HUSBE	NDARY		
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 enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.
	MAMIT	Porcine Reproductive Respiratory Syndrome (PRRS).	 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 tu thianghlim an mamawh tawk an hmu tur ani a.
		en la	



ICAR RESEARCH COMPLEX FOR NEH REGION



	5	\sum		Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures	6	~	1-6 ah F1 vaccine pek tur ani a, chuan
	1	W7 2 1		a puitlingh chuan R2B vaccine pek tur
	2			ani.
	1		+	B complex with antibodies
		4 th weeks	+	Coccidiosis- Amprolium or
	FIMEMIT			coccidiostat
	2. 00850000	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	5	(ATZAWIL)	CHP	IMPAL
	Monitoring	1	+	Sangha te hi chaw a hmuar kai lo
	(Sangha	No all		chauh pek thin tur ani. Sangha chaw a lo hmuar anih chuan pek hma in ni sa
	enkawl)			a phoro phawt tur ani.
	20		4	Sangha chaw hi a hmuar lohna turin
	12			hmun ro leh uap lutuk lo ah dahtha
		SERCHN	IP (tur ani a, hmuar atang a tur lo insean
	5			thin, aflatoxin avang a sangha thi lal
	1	1		atangin sangha a him phah thin.
			-	Dil sah kang veka sangha man thi
	all and a second s	Manuscher		hian a kumleh a sangha khawinan a di buatsaih a ti awlsam a, dil mawn
		LUNGLEI	1	phoro, chinai phul, leitha hman leh tu
	1		1	dang in dil buatsaih tur ani.
		- En	4	Sangha te natna lak atangin an him en
			1	tih enfiah fo a tha a, natna hmuh anil
			X	chuan mithiam te rawn vat a, diltu
		2 1 5 1	2	enfiah vat tur ani.
		1 -2 1	1	A ranglam a chinai @50kg/ha lel tuisen @1.5mg/l diltui a hman hiai
			1	sangha natna avang a thi tur lal
		LAWNGTLAL		atangin a veng thei.
	I	SAIHA		
			~	2
		8 N 7)	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	:	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

LAWNGTLA SAIHA

8 | Page