

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: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

Date of issue: 25th April, 2017

		A CONTRACTOR OF THE PROPERTY O			
Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	27	30	30	29
Min Temp (°C)	20	20	18	21	20
Cloud Coverage	Clear sky	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	92	98	98	98	98
Min RH (%)	55	49	45	38	39
Wind Speed (KmpH)	3	2	0	2	2
*Wind Direction	S-E	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past

three days

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):15-16°C Maximum RH (%):96-98% Minimum RH (%):48-79% Wind Direction: Southeasterly Cloud cover: Mainly cloudy Wind Speed: 3-4 km/hr

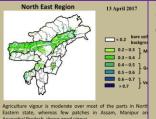
Wind Speed. 6-4 km/ in

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 18-21°C. Maximum relative humidity is expected in the range of 92-98% and minimum may from 38-55%. Wind direction would southeaster to easterly with the wind speed of 0-3 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

Rainfall: 154.3 mm



Moderately wet mildly dry/mildly wet conditions

Phone: +91 3837 220041, Fax: +91 3837 220560,

E-mail: kolasib.amfu@gov.in

1 | Page



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling		♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	ROLAGID	♣ In the citrus belt, trees can be planted
LIME	Jugo	A. 1	at any time, however, spring is the best
	("3 A /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	/		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	SALABATE		exact distance depends on the variety.
	/ MAMIT		The bigger the fruit, the farther
DI IIM AND	į.	AIZAWL	the distance.
PLUM AND	ì	1	♣ If the soil is not well-drained, plant the
PEACH	l	1 1	trees on a slight mound to
	ì,		prevent water logging.
	\	1 3 3	♣ Mulching should be done with dry
	((grasses near the tree base to conserve
	1.7		soil moisture during winter.
		SERCHH	
		V	at weekly interval for better establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	\	Dieback, Lamon	branches protect healthy plant from soil
	>	butterfly and leaf	borne disease.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	minor 🚗	Lamon butterfly- Spray monocrotophos
	*	\alpha \(\sigma\)	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
			ml/lit of water) at each flush
			emergence.
			Citrus Canker- Apply bacterimycin
		1 2	@0.6 g/lt of water.
Passion Fruit	Transplanting		♣ High yielding mother vine with good
	stage	LAWNGTLAJ	quality fruits and free of virus diseases
	20050	SAIHA	
			A cutting should contain at least 3
			buds and must be planted in sand
		201	beds.
		V V	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Stage MAMIT Mami		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
**If day temperature and prolong dry spell occur it lead to Flora abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. **Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. **Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. **The young fruit plant must be irrigated at weekly interval for better establishment. **Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%	stage	AIZAWL	Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches
	Bloomi <mark>ng</mark>	LAWNGTLAI	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

			interval.
Rubber	Nursery stage		Clearing operation may be done during
			the month of February to April.
	17	/ \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	♣ Make fire line to protect the young tree
) \ .	3	and seedlings.
		KOLASIB	♣ 10-12 kg of well rotten organic manure
		KOLASIB	and 225 gm rock phosphate should be
	}	W /	apply at time of planting to each pit as
CERRATO AND	DIVI OR ORORO	" 1 . /	basal dose application.
CEREALS AND	1		# II al- W-11 C11-4 - a 4 l 14l 4
Pre Kharif	Nursery stage		♣ Use only Well filled and healthy seeds.♣ Put the seed in 2.5% salt solution i.e
Rice	J		250 g of common salt in 10 lts of water.
	A MAMIT	1 1	♣ Seed treated with Bavistin 50 WP @
	(}	0.1% (2 g/lt) solution.
	\ \ \	AIZAWL	♣ Mulching is requiring for better
	\		germination in nursery.
Jhum Rice	Sowing stage	5 . 7	Sowing in ridge and furrow.
			♣ Mulching with grass for better
)		germination.
))		♣ Intercropping with greengram and
		SERCHH	bunchy type frenchbean.
Maize	Sowing stage		Seed should be treated with Thiram @4
(Jhum)	(g/kg seed.
		7	Use optimum seed rate (20-25 kg/ha)
		· ·	for desire plant population. Apply well decomposed FYM/pig
		LUNGLEI	manure @ 5-10 t/ha along with
		LONGLE	$80:60:40$ kg N, P_2O_5 and K_2O/ha
	\		incorporate with soil before sowing.
	<u></u>	a 3 ~~	Half nitrogen dose will use at the time
) (of sowing and remaining 25% after one
			month and 25% at flowering stage.
Rabi Maize	vegetative		➡ Light irrigation on every week may be
	stage	1 1	given for better establishment and
			smooth growth.
		LAWNGTLAL	Larthing up soil near to plant for better
		SAIHA	support.
			♣ Maize rust disease will prevail due to
			high relative humidity with low temperature. Apply Mancozeb Kg/ha
		20	temperature. Appry maneuzeu kg/na

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			for effective control.
			Remove the alternate host <i>Oxalis</i> comiculata.
Potato	Harvesting	7	♣ If the leaves and plant became dry it
	stage \	5	means plant ready for harvesting.
		KOLASIB	Open the furrow with the help of spade, harvest all mature tubers.
	ξ	1.	♣ Keep 7 -10 days for drying or reduce
)	W)	the moisture level in shed dry.
	>		♣ Keep 25% seed for next season sowing.
VEGETABLE CRO			
Onion	Harvesting	Due to rain	Spray Cycocel @ 200ppm +
	stage MAMIT	1	carbendazim @ 1000 ppm 30 days before harvest to extend the shelf life
	()	of onion.
	\ \ \	AIZAWL	♣ Optimum time of harvesting is one
	\	9	week after 50% of leaves have fallen.
	1	~ ~ ?	Harvesting is done by pulling the
	\		bulbs. On large scale mechanical
	{ [~ /	harvesters are used Ideal conditions for storage, include
	17	0500000	Jan burnidity (c 900/ DII) and Jan
		SERCHH	temperature (2 – 10 °C).
Cowpea	Sowing stage	*	♣ Plough the field properly, at least 2-3
)	-	times.
		`	Mix_fertilizer with FYM 50:60:60Kg /ha.
		LUNGLEI	Sow 2-3 seed per whole.
	>	LUNGLEI	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	*	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	Before sowing seed provide one or two
		Provide	irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
		irrigation in	120. 00. 00 lig/lid
		transplanted okra field.	4
Ginger and	Sowing stage	LAWNGTLA	♣ Rhizome should be treated with Thiram
turmeric	Sowing stage	/ SAIHA	
			Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
		4 /	510
		4	5 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		(AILANIC)	F1171
Pig	All stages	SERCHH	slow-release energy with the added advantage of a high level of omega-3.
		Porcine -	1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAL	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	Young stage	Disease (FMD) Black Quarter	every 6 month. Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	 Primary vaccination 6 month or above
			Revaccination annually
Poultry	Litter		♣ Birds require adequate space, sufficient
	management	7	feed to meet their nutritional
) \ .	-	requirements and an adequate supply
		Value (of good-quality water.
]	KOLASIB	♣ Good management and sanitation are
	i i		the best ways to avoid infectious
	/	~ ~ /	disease in poultry.
)		♣ Provide ample quantity of clean
	}	> 5	drinking water.
			Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult
)	7	birds.
		4 th weeks	B complex with antibodies
	l,	4" weeks	Coccidiosis - Amprolium or coccidiostat
		4 545 777	111111111111111111111111111111111111111
		4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY	1/		/ \
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
	preparation	V	in development of plankton which serve
	1 11 11		as natural feed for the fishes.
		1	Raw cowdung should be applied in the
			pond at the rate of 10 tonnes/ha/year.
		LUNGLEI	One third of the total dose should be
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LUISCLE	applied initially and the rest may be
		_	applied in a spilt doses.
	*	9 / ~	Single super phosphate should also be
) (applied at the rate of 250 kg/ha in the
			pond.
			After one week of application
) ~	development of planktons could be
			observed in the pond depending on the
		LAWNGTLAN	colour of the water. Yellowish green
		/ SAIHA	colour is an indicator of the good
		(plankton development.
			Transparency of the water needs to be maintained at 30-40 cm.
			-maintained at 50-40 cm.
			710000
		34 (7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	l:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	26	27	30	30	29
Min Temp (°C)	20	20	18	21	20
Cloud Coverage	Clear sky				
Max RH (%)	92	98	98	98	98
Min RH (%)	55	49	45	38	39
Wind Speed (KmpH)	3	2	0	2	2
*Wind Direction	S-E	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm) Mamit-204.87mm (428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):15-16°C

Maximum RH (%):96-98%

Minimum RH (%):48-79% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind Speed: 3-4 km/hr

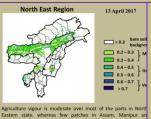
Rainfall: 154.3 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-30°C a ni ang a. A vawh lai ber in 18-21°C ni tura beisei a ni. RH san lai berin 92-98% leh a hniam lai berin 38-55% ni tur a rin niin. Thli hi darkar khatah 0-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
		<i>S</i>	thin a ni.
	7 7	7	♣ A rah hmin tha lo ho chu nuai sawm
) \	1	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	4	II .	🖊 Hmaih neih nuaih loh tur ani.
	}	WS)	♣ Sneg hmaih te lakkhawma paih vek tur
	ζ	2 1 (ani.
	(♣ Seng bang zawng zawng chu uluka taka
	[paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	∫ MAMIT	()	tur ani.
	∫ MANIT	\ \ (Hmun dam lutukah dah loh tur.
	h 5	AIZAWL	Boruak tha taka a hmuh theih nan leh a
)	V	rawn chawr no theih nan thlai chu uluk
	\ \)	tak a hlawi tur ani.
	3	1 2	Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \		In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
	7 /		
		SERCHH	robusta cherry 11.0%.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	ļ ļ	***	March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
	\	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	5	→ Vaimim chinna tur atan lei kan let
		0	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			A chi chu kan lei leh saah chuan kan
			dah ang.
		LAWNGTLAL	A chi chu Thiram @4 g/kg seed hian ak
			sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
		1	♣ A chi tuh hma in lei leh FYM @5-10
		7	t/ha leh $80:60:40$ kg N, P_2O_5 leh
		1 1	3 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | Page

Carlan		XOLASIR.	K ₂ O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.
Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow	All stage	Zero tillage	 A than a that theih nan nikhat danah tui pek thin tur ani. Lei rih vur hian thlai kung te a veng ve ani. Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.
Potato	Sowing stage	AIZAWL	 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 CR		-	***
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

	7	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum)	W >)	tui pek thin tur ani.
	>		Thlai bul vawn hnawn nana thlai bula
	}	5 6	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
	/ MAMIT		tui liter 1 zelah pawlh a kah hi a tha
	\ \ \	AIZAWL	CHA hle ani.
		Phytopthora	4 A chi ven that nan thiram 3g/kg seed
		blight	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
		SERCHH	pek hi a tha hle ani.
French bean	Sowing stage	~	Tui pek a hnihnah hringa khuh tur ani
	1	1	a. than a that theih nan tui pek hma
		7	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
		LUNGLEL	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish		0.0	tui pek thin tur ani.
	, h	0	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
		7 0	Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		1	rawn awm thina, hei hi natna
		1	tlanglawn ber ani.
		LAWNGTLAL	Thlai hna lam chi leh zikhlum lam
		SAIHA	
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

ANIMAL HUSBEI	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).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI SAIHA	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		-	
		+	Tui an in tur chhawpna tur tha /lian
			tha tak leh tui thianghlim tak pek tur
			ani.
	/	4	Chaw a hmuar/thing pek loh tur ani a,
1 1) ?		an chaw eitur thlak sak thut loh tur
	T		ani.
Preventive	0-3 rd week	. 4	Ranikhet Disease- an pian atanga ni
į į	. O O Week	1	1-6 ah F1 vaccine pek tur ani a, chuan
measures	W 1		a puitlingh chuan R ₂ B vaccine pek tur
	5 1 /		ani.
(4	
	445	-	B complex with antibodies
	4 th weeks	-	Coccidiosis- Amprolium or
<u> </u>			coccidiostat
MAMII	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	AIZAWL	CH/	AMPAI
Pond	3rd-4th weeks	4	Dil a leitha hman hian sangha chaw
preparation	3		kan tih mai planktons insiam nan a
(Dil buatsaih)			tanpui thin.
(Dir buatsain)			
	~~\ /	-	Bawngek hring 10 tonnes/ha/year vel
			dil ah hman thin a ni a; bawngek
β	SERCHH	IIP	kumkhat a kan mamawh zat
			hmunthum a then a hmunkhat hi dil
			buatsaih nan hman tur ani. A bak
	-		zawng hi tui boruak a zirin semdarh a
	`		hman thin tur ani.
		+	Single super phosphate hi dil hectare
	LUNGLEI		khat zel a zauah kg 250 ang a hman
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			thin tur ani.
\		+	Leitha kan hman atang a karkhat
	9 /	-	hnuah tui rawng a tangin sangha chaw
			inseam that leh thatloh a hriat theih a.
		1	Tui rawng eng hring deuh nghalh ah
		1	hian sangha chaw planktons te an
	1 6 3		inseam tha ang a ngaih ani.
	(V		Tui nut zawng tehna transparency
		_	pawh 30-40 cm vel ani tur ani.
	LAWNGTLAJ	1	pawii 50-40 ciii vei aili tui aili.
	/ SAIHA	l.	\
			لے
			7
	2 1	(
	7		7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	l:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

Date of issue: 25th April, 2017

	1. 1.				
Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	29	30	32	30	30
Min Temp (°C)	20	19	19	21	22
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	97	99	100	100	100
Min RH (%)	58	51	49	39	43
Wind Speed (KmpH)	2	0	2	2	2
*Wind Direction	S	S-W	S-W	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):25-26°C

Minimum Tem. (°C):16-18°C Maximum RH (%):99-100%

Minimum RH (%):67-85%

Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

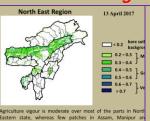
Rainfall: 175.00 mm

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 19-22°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 39-58%. Wind direction would be southerly to southwesterly and easterly with the wind speed of 0-2 km per hour. Clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	_	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling	-	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KULASIB	♣ In the citrus belt, trees can be planted
LIME	Stage	A. \	at any time, however, spring is the best
DIMID	(" 3 1 /	time for container grown plants.
BANANA	}	(♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∫ _{MAMIT}	()	exact distance depends on the variety.
	/ MAMIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
DI IIM AND	\ \	AIZAWL	the distance.
PLUM AND	ì	7	♣ If the soil is not well-drained, plant the
PEACH	l l	1	trees on a slight mound to
	l,		prevent water logging.
	\	1 1	♣ Mulching should be done with dry
	((grasses near the tree base to conserve
	1 /		soil moisture during winter.
		SERCHH	
		V	at weekly interval for better establishment.
	—	Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	>	butterfly and leaf	borne disease.
	1	minor 🚗	Lamon butterfly- Spray monocrotophos
	<u></u>	0	@0.04% @1.2 ml/lt of water.
	·		Leaf minor- Spray confidor 0.05% (0.5)
			ml/lit of water) at each flush emergence.
			Citrus Canker- Apply bacterimycin
			@0.6 g/lt of water.
Passion Fruit	Transplanting		High yielding mother vine with good
i assion Fiult	stage	LAWNGTLAL	quality fruits and free of virus diseases
	SLAGE	SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		201	beds.
		M V	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Stage MAMIT Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come ou after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.	7	KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
**If day temperature and prolong dry spell occur it lead to Flora abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. **Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. **Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. **The young fruit plant must be irrigated at weekly interval for better establishment. **Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%	stage	AIZAWL	Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches
551 @ 110 g por 100 11 01 mater 10 day.	 Bloomi <mark>ng</mark>	LAWNGTLAI	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

			inter	val.
Rubber	Nursery stage		♣ Clea	ring operation may be done during
			the r	nonth of February to April.
		/	Mak	e fire line to protect the young tree
) \	1		seedlings.
		Value (2 kg of well rotten organic manure
		KOLASIB		225 gm rock phosphate should be
	1	LA \		y at time of planting to each pit as
	/	~ 1	basa	l dose application.
CEREALS AND	1			
Pre Kharif	Nursery stage	2 5		only Well filled and healthy seeds.
Rice				the seed in 2.5% salt solution i.e
	\$	()		g of common salt in 10 lts of water.
	MAMIT	\ \ \ (treated with Bavistin 50 WP @
	\ \ \	AIZAWL		(2 g/lt) solution.
	ì	\		ching is requiring for better
Thum Dies	0	-		nination in nursery.
Jhum Rice	Sowing stage			ng in ridge and furrow.
	\	1 3		nination.
	{		_	cropping with greengram and
	1.7			chy type frenchbean.
Maize	Sowing stage	SERCHH		should be treated with Thiram @4
(Jhum)		V (-		seed.
(6766776)				optimum seed rate (20-25 kg/ha)
			for d	esire plant population.
	(👢 Appl	y well decomposed FYM/pig
		LUNGLEI		ure @ 5-10 t/ha along with
	}			0:40 kg N, P_2O_5 and K_2O/ha
		5		rporate with soil before sowing.
		0		nitrogen dose will use at the time
				owing and remaining 25% after one
Rabi Maize				th and 25% at flowering stage.
Rabi Maize	vegetative			t irrigation on every week may be
	stage			n for better establishment and oth growth.
				hing up soil near to plant for better
		LAWNGTLAL	supp	
		SAIHA		e rust disease will prevail due to
				relative humidity with low
				perature. Apply Mancozeb Kg/ha
	•			

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			for effective control.
			Remove the alternate host <i>Oxalis</i> comiculata.
Potato	Harvesting	/	♣ If the leaves and plant became dry it
	stage	5	means plant ready for harvesting.
		KOLASIB	Open the furrow with the help of spade, harvest all mature tubers.
	(1.	Keep 7 -10 days for drying or reduce
)	W)	the moisture level in shed dry.
	>		♣ Keep 25% seed for next season sowing.
VEGETABLE CR			
Onion	Harvesting	Due to rain	♣ Spray Cycocel @ 200ppm +
	stage MAMIT	1	carbendazim @ 1000 ppm 30 days before harvest to extend the shelf life
	(1	of onion.
	ζ	AIZAWL	♣ Optimum time of harvesting is one
	\	5	week after 50% of leaves have fallen.
	\	1 \ \ \ \ \ \	Harvesting is done by pulling the
	\		bulbs. On large scale mechanical
	1 (~ / / -	harvesters are used
			Ideal conditions for storage, include low humidity (< 80% RH) and low
		SERCHH	temperature (2 – 10 °C).
Cowpea	Sowing stage	Y	♣ Plough the field properly, at least 2-3
_		_	times.
	j j	\	Mix fertilizer with FYM 50:60:60Kg
			/ha. Sow 2-3 seed per whole.
	<u> </u>	LUNGLEI	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	3	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	Before sowing seed provide one or two
		Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	<u></u>
		okra field.	1 111
Ginger and	Sowing stage	SAIHA	♣ Rhizome should be treated with Thiram@4 g/kg seed.
turmeric		(Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
	•	7 (
		4	5 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		(ALEANE)	1
Pig	All stages	SERCHH	slow-release energy with the added advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAJ	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	Young stage	Disease (FMD) Black Quarter	every 6 month. Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	 Primary vaccination 6 month or above
			Revaccination annually
Poultry	Litter		♣ Birds require adequate space, sufficient
	management	/ ?	feed to meet their nutritional
	-	-	requirements and an adequate supply
			of good-quality water.
	j	KOLASIB	
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	the best ways to avoid infectious
	/	~)	disease in poultry.
)		♣ Provide ample quantity of clean
	}	5 6	drinking water.
			♣ Avoid feeding of mouldy feed. Don't
	Į į		make sudden changes in feed
	Preventive	0-3 rd week	♣ Ranikhet Disease- F1 vaccine at (1-6)
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CAICANIC	birds.
		5	♣ B complex with antibodies
	\	4 th weeks	4 Coccidiosis - Amprolium or
			coccidiostat
	~	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY			
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
	preparation	V (,	in development of plankton which serve
	1 12 11 11		as natural feed for the fishes.
		1	Raw cowdung should be applied in the
			pond at the rate of 10 tonnes/ha/year.
		LUNGLEI	One third of the total dose should be
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LONGLE	applied initially and the rest may be
	1		applied in a spilt doses.
	\\	A 5 ~~	Single super phosphate should also be
	1		applied at the rate of 250 kg/ha in the
			pond.
			After one week of application
) ~ ~	development of planktons could be
		1	observed in the pond depending on the
		LAWNGTLAL	colour of the water. Yellowish green
		SAIHA	colour is an indicator of the good
		SAIHA	plankton development.
			4 Transparency of the water needs to be
			maintained at 30-40 cm.
		4	
			7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	l:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Serchhip Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

	- N 1	1			
Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	29	30	32	30	30
Min Temp (°C)	20	19	19	21	22
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	97	99	100	100	100
Min RH (%)	58	51	49	39	43
Wind Speed (KmpH)	2	0	2	2	2

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

*Wind Direction

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

Date of issue: 25th April, 2017

(428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):25-26°C

Minimum Tem. (°C):16-18°C Maximum RH (%):99-100% Minimum RH (%):67-85%

Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3.4 km/hr

Wind speed: 3-4 km/hr

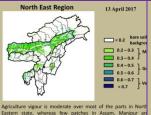
Rainfall: 175.00 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 19-22°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 39-58% ni tur a rin niin. Thli hi darkar khatah 0-2 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvasting Stage
			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	()	7	♣ A rah hmin tha lo ho chu nuai sawm
) \	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	{	lf. (→ Hmaih neih nuaih loh tur ani.
)	(A)	♣ Sneg hmaih te lakkhawma paih vek tur
	() 1	ani.
	(4 Seng bang zawng zawng chu uluka taka
	(paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
			tur ani.
	/ MAMIT	1	👃 Hmun dam lutukah dah loh tur.
	5	AIZAWL	👃 Boruak tha taka a hmuh theih nan leh a
)	\	rawn chawr no theih nan thlai chu uluk
	\	5	tak a hlawi tur ani.
	\		Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
	1 ~	1 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	((In leh loa sawngbawln a a ro dan tur
	1 /		tawkah chuan: Arabica / robusta
		SERCHH	
			robusta cherry 11.0 %.
	\	Coffee Rust	Natna hrik in a khawih tawh a hnah leh a
)	-	dang te paihpaih vek tur ani.
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
		LUNGLEI	Oxycarboxin 0.03% in May - June (Pre-
CEREALC AND	DILL CE CEORG		monsoon) ah kah chhunzawm tur ani.
CEREALS AND			1 17. 1 1.1 1 1 1 1 1
Rabi Maize	A chin hun	0 (~	Vaimim chinna tur atan lei kan let
	'	31	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		V 7	4 A chi chu kan lei leh saah chuan kan
		V	dah ang.
			♣ A chi chu Thiram @4 g/kg seed hian ak
		\LAWNGTLAJ\^>	sawngbawl hmasa anga.
		∫ SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P_2O_5 leh
	<u> </u>	7	
		1 4	3 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Soybean, pea,	All stage	Zero tillage	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. ♣ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	} MAMIT		 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 CR			10.70 / 1.91 1 1 11 11
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

			awm thin a , hei hi natna tlanglawn
			ber ani.
			🖶 Thlai hna lam chi leh zikhlum lam
		7	chi reng reng enkawl nan Mancozeb
) \	7	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum)	W)	tui pek thin tur ani.
	ς	2 1	♣ Thlai bul vawn hnawn nana thlai bula
	ſ		hnim ring vawm khawm hi tui pek
			zawhah dah tur ani.
	J		Thlai chhina hmun (nursery) hi hnim a
	A MAMIT	1	to loh nan Pendimethalin @ 3.5ml hi
	(1	tui liter 1 zelah pawlh a kah hi a tha
	ζ	(AIZAWL)	CHA hle ani.
	\	Phytopthora	A chi ven that nan thiram 3g/kg seed
	\	(blight)	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
	1/	0.500	pek hi a tha hle ani.
French bean	Sowing stage	SERCHII	Tui pek a hnihnah hringa khuh tur ani
		V 6-	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
		LUNGLEI	tur ani.
Carrot and	Sowing stage		A than a that theih nan nikhat danah
radish	1	C.	tui pek thin tur ani.
	*	0	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
			Likhlum lam chi ah chuan sik leh
			/ sa vangin a hnah ah thil dum a
		1 2	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
	I		- P

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			-	
			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
) (J ?		an chaw eitur thlak sak thut loh tur
	L/	7		ani.
	Preventive	0-3 rd week	· 🖶	Ranikhet Disease- an pian atanga ni
	measures	[,]	~	1-6 ah F1 vaccine pek tur ani a, chuan
	mousuros	W)		a puitlingh chuan R ₂ B vaccine pek tur
	5	2 - (ani.
	<u>∫</u>		4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	J	WCCAS	_	coccidiostat
	AMAMIT	A Eth Woole	-	
		4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	\ \	(AIZAWL	CH/	AMPAI
	Pond	3 rd -4 th weeks	+	Dil a leitha hman hian sangha chaw
	preparation	3		kan tih mai planktons insiam nan a
	(Dil buatsaih)			tanpui thin.
	(Dir buacsum)	1 1	-	Bawngek hring 10 tonnes/ha/year vel
	(()		_	dil ah hman thin a ni a; bawngek
	1 1	1		kumkhat a kan mamawh zat
		SERCHE	II P	hmunthum a then a hmunkhat hi dil
		V- (_		buatsaih nan hman tur ani. A bak
				zawng hi tui boruak a zirin semdarh a
				hman thin tur ani.
			-	Single super phosphate hi dil hectare
		LUNGLEI		khat zel a zauah kg 250 ang a hman
	(thin tur ani.
	\	5	1	Leitha kan hman atang a karkhat
	1	0	17	hnuah tui rawng a tangin sangha chaw
				inseam that leh thatloh a hriat theih a.
			1	Tui rawng eng hring deuh nghalh ah
			1 6	hian sangha chaw planktons te an
		1 -7]		inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL		pawh 30-40 cm vel ani tur ani.
		SAIHA		1
		(
			,	₹
			1)	J
		M)—	715
		N- N-		7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH RECION

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	V:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scienti <mark>st (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i	Project Assistant	dikteachenkualboy@gmail.com
Dr. S.B. Singh	1311	Joint Director	basantasinghsoibam@rediffmail.com

Collaborating Department:

Name of the KVK		Programme Coordinator Name and Designation	KVK Email Id	Phone no/ Mobile no
KVK Lunglei	:,	Dr. <mark>Lalmuan</mark> zovi	kvkhnahthial@gmail.com	9862803750
		Head & Sr. Scientist ERCHHIP	(9436154614
KVK, Kolasib	:	Mr. Lalrosamga Khiangte	kvkkolasib@gmail.com	9436152440
		Head & Sr. Scientist	{ }	
KVK, Serchhip	:	Mr. K. Laltlanmawia	kvkserchhip@gmail.com	9436146115
		Head & Sr. Scientist		9615389293
KVK, Champhai	:	Mrs. Lalrinawmi Renthlei	kvkkhawzawl@gmail.com	9436159788
		Head & Sr. Scientist	2	
KVK, Lawngtlai	:	Dr. Michel Lallawmkimi	kvklawntlai@gmail.com	9436155858
		Head & Sr. Scientist		
KVK, Saiha	:	Dr. Vanlalhruaia Hnampe	kvksaiha@gmail.com	8974656509
		Head & Sr. Scientist		
KVK, Mamit	:	Dr. Sa <mark>muel</mark> Lalliansanga	kvkmamit@gmail.com	9436147625
		Head & Sr. Scientist		
KVK, Aizawl	:	Dr. K. <mark>P. Chaudhary</mark>	Kpchy@rediffmail.com	9436351669
		Head & Sr. Scientist	kvkaizawl@rediffmail.com	

SAIHA

LAWNGTLA

CHAMPAL

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



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: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	5	6	0
Max Temp (°C)	29	30	32	30	30
Min Temp (°C)	20	19	19	20	20
Cloud Coverage	Mainly clear	Clear sky	Partially clear	Partially clear	Partially clear
Max RH (%)	97	99	100	99	99
Min RH (%)	67	57	61	47	50
Wind Speed (KmpH)	4	2	3	2	3
*Wind Direction	S	S	S	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

(507.7mm)

Kolasib- 236.00mm (428.1mm)

(430.2mm) Lawngtlai-291.20mm

(453.1mm)

(359.89mm) Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

Maximum Tem. (°C):23-26°C
Minimum Tem. (°C):15-18°C
Maximum RH (%):89-97%
Minimum RH (%):80-95%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind speed: 3-4 km/hr

Rainfall: 195.3 mm

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 19-20°C. Maximum relative humidity is expected in the range of 97-100% and minimum may from 47-67%. Wind direction would be southerly to southeasterly with the wind speed of 2-4 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 11.0 mm

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	_	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling		♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KOLASID	♣ In the citrus belt, trees can be planted
LIME	Stage	A. \	at any time, however, spring is the best
DIME	(" 3 1 /	time for container grown plants.
BANANA	}	(♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∫ _{MAMIT}		exact distance depends on the variety.
	/ MAMIT	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
DI IIM AND	\ \	AIZAWL	the distance.
PLUM AND	ì	7	♣ If the soil is not well-drained, plant the
PEACH	l l	1	trees on a slight mound to
	l,) ~ (prevent water logging.
	\	1 1 1	♣ Mulching should be done with dry
	((grasses near the tree base to conserve
	1 /		soil moisture during winter.
		SERCHH	
		V	at weekly interval for better establishment.
	—	Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	>	butterfly and leaf	borne disease.
	1	minor —	Lamon butterfly- Spray monocrotophos
	\ \	a (~	@0.04% @1.2 ml/lt of water.
			Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
			ml/lit of water) at each flush emergence.
			4 Citrus Canker- Apply bacterimycin
		1 -2]	@0.6 g/lt of water.
Passion Fruit	Transplanting		♣ High yielding mother vine with good
1 assisti Fiult	stage	LAWNGTLAL	quality fruits and free of virus diseases
	stage	r SAIHA	should be selected to provide cuttings.
			A cutting should contain at least 3
			buds and must be planted in sand
		126	beds.
-		TO No. 1	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Stage CEthrel 10 PPM+2% urea+0.049	7	KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
SAIHA Blooming stage LUNGLE LUNGLE	stage	AIZAWL	 Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches
SSP @ 1.5 g per 200 lt of water 15 day	Bloomi <mark>ng</mark>	LAWNGTLAJ	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Rubber Nursery stage **Clearing operation may be done during the month of February to April.** **Make fire line to protect the young tree and seedlings.** 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. **CEREALS AND PULSE CROPS** Pre Kharif Rice **Nursery stage					interval.
the month of February to April. Make fire line to protect the young tree and seedlings. 10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application. CEREALS AND PULSE CROPS Pre Kharif Rice Nursery stage Rice Hut the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery. Sowing in ridge and furrow. Maize (Jhum) Maize (Jhum) Maize (Jhum) Sowing stage LUNGLE LUNGLE Cob formation Stage Cob formation SAIHA Cob formation SAIHA Rice In le month of February to April. Make fire line to protect the young tree and seedlings. 10-12 kg of well rotten organic manure and 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination. Hulching with grass for better germination. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% aft govering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low	Rubber	Nursery stage		4	Clearing operation may be done during
Alzawi Sowing stage Maize (Jhum) Maize (Jum) Maize (J					
CEREALS AND PULSE CROPS Pre Kharif Rice **Nursery stage **Put the seed in 2.5% salt solution i.e. 250 g of common salt in 10 lts of water. 4 Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. 4 Mulching is requiring for better germination in nursery. **Jhum Rice** **Sowing stage** **Sowing in ridge and furrow. 4 Mulching with grass for better germination. 4 Intercropping with greengram and bunchy type frenchbean. 4 Seed should be treated with Thiram @4 g/kg seed. 4 Use optimum seed rate (20-25 kg/ha) for desire plant population. 4 Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P20s and K20/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. **Rabi Maize** **Cob formation stage** **Cob formation stage** **Light irrigation on every week may be given for better establishment and smooth growth. 4 Earthing up soil near to plant for better support. 4 Maize rust disease will prevail due to high relative humidity with low			/ \ \ \ \	4	Make fire line to protect the young tree
AZAML CEREALS AND PULSE CROPS Pre Kharif Rice Nursery stage Rice MAMIT AZAML LUSe only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e. 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery. Sowing stage Maize (Jhum) Maize (Jhum) Maize (Jhum) Sowing stage Cob formation stage Cob formation Rabi Maize Cob formation Salida Cob formation Salida Cob formation Salida All Salida Align irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize triangle in the salida provided to be the support. All Maize with grass for better germination. Lungle in the seed in 2.5% at flowering stage. Lungle in the seed in 2.5% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low) \	/ ?		and seedlings.
CEREALS AND PULSE CROPS Pre Kharif Rice Nursery stage Rice MAMIT Lead of the seed in 2.5% salt solution i.e. 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery. Sowing stage Sowing stage Maize (Jhum) Maize (Jhum) Sowing stage LUNGLE Rabi Maize Rabi Maize Cob formation stage Rabi Maize Cob formation stage Rabi Maize Rabi Maize Cob formation stage Rabi Maize Cob formation stage Rabi Maize Rabi Maize Rabi Maize Cob formation stage ANNOTLAN ANIZE disease will prevail due to high relative humidity with low			\ volume	4	
Dasal dose application. CEREALS AND PULSE CROPS Pre Kharif Rice MAMIT AZAWL Jhum Rice Sowing stage Maize (Jhum) Maize (Jhum) Maize (Jhum) Maize (Jhum) Sowing stage Cob formation stage Rabi Maize Rabi Maize Cob formation Rabi Maize Rabi Maize Rabi Maize Cob formation SAIHA Dasal dose application. Use only Well filled and healthy seeds. Put the seed in 2.5% salt solution i.e. 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery. Sowing in ridge and furrow. Mulching with grass for better germination. Intercropping with greengram and bunchy type frenchbean. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low			KOLASIB	ή.	
Pre Kharif Rice MAMIT		1	- 4	,	
Sowing stage Walled and healthy seeds. Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery. Sowing in ridge and furrow. Mulching with grass for better germination. Intercropping with greengram and bunchy type frenchbean. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P20s and K20/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low		//	~ /		basal dose application.
# Put the seed in 2.5% salt solution i.e 250 g of common salt in 10 lts of water. # Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. # Mulching is requiring for better germination in nursery. # Sowing in ridge and furrow. # Mulching with grass for better germination. # Intercropping with greengram and bunchy type frenchbean. # Seed should be treated with Thiram @4 g/kg seed. # Use optimum seed rate (20-25 kg/ha) for desire plant population. # Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. # Light irrigation on every week may be given for better establishment and smooth growth. # Earthing up soil near to plant for better support. # Maize rust disease will prevail due to high relative humidity with low					
## ADMIT 250 g of common salt in 10 lts of water. Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. Mulching is requiring for better germination in nursery. Sowing in ridge and furrow. Mulching with grass for better germination. Intercropping with greengram and bunchy type frenchbean. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P2Os and K2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low		Nursery stage	7 5		
# Seed treated with Bavistin 50 WP @ 0.1% (2 g/lt) solution. # Mulching is requiring for better germination in nursery. # Sowing in ridge and furrow. # Mulching with grass for better germination. # Intercropping with greengram and bunchy type frenchbean. Maize (Jhum)	Rice			*	
Jhum Rice Sowing stage Sowing stage Maize (Jhum) Mulching is requiring for better germination in nursery. Sowing in ridge and furrow. Mulching with grass for better germination. Intercropping with greengram and bunchy type frenchbean. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low		S MAMIT			
# Mulching is requiring for better germination in nursery. # Sowing in ridge and furrow. # Mulching with grass for better germination. # Intercropping with greengram and bunchy type frenchbean. # Seed should be treated with Thiram @4 g/kg seed. # Use optimum seed rate (20-25 kg/ha) for desire plant population. # Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. # Light irrigation on every week may be given for better establishment and smooth growth. # Earthing up soil near to plant for better support. # Mulching is requiring for better germination in nursery. # Sowing in ridge and furrow. # Mulching with grass for better germination. # Intercropping with greengram and bunchy type frenchbean. # Seed should be treated with Thiram @4 g/kg seed. # Use optimum seed rate (20-25 kg/ha) for desire plant population. # Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. # Light irrigation on every week may be given for better establishment and smooth growth. # Earthing up soil near to plant for better support. # Mulching with grass for better germination. # Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. # Light irrigation on every week may be given for better establishment and smooth growth. # Earthing up soil near to plant for better support. # Maize rust disease will prevail due to high relative humidity with low) meanin	\ \ (-	
## Sowing stage ## Sowing in ridge and furrow. ## Mulching with grass for better germination. ## Intercropping with greengram and bunchy type frenchbean. ## Seed should be treated with Thiram @4 g/kg seed. ## Use optimum seed rate (20-25 kg/ha) for desire plant population. ## Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P2O5 and K2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ## Light irrigation on every week may be given for better establishment and smooth growth. ## Light irrigation on every week may be given for better establishment and smooth growth. ## Awngtlai ## Maize rust disease will prevail due to high relative humidity with low		}	AIZAWL	CI_	
## Sowing in ridge and furrow. ## Mulching with grass for better germination. ## Intercropping with greengram and bunchy type frenchbean. ## Seed should be treated with Thiram @4 g/kg seed. ## Use optimum seed rate (20-25 kg/ha) for desire plant population. ## Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P2O5 and K2O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ## Abi Maize Cob formation stage ## Abi Maize Cob formation stage ## Abi Maize It irrigation on every week may be given for better establishment and smooth growth. ## Abi Maize Rabi Maize It is a sowing the prevail due to high relative humidity with low		l l		-	· ·
Maize (Jhum) Sowing stage (Jhum) Maize (Jhum) Sowing stage (Jhum) Maize (Jhum) Sowing stage (Jhum) Maize (Jhum) Sowing stage Mulching with grass for better germination. Intercropping with greengram and bunchy type frenchbean. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low	Thum Dice	Sowing stage		4	
Maize (Jhum) Sowing stage Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low	onum Rice	Sowing stage			0 0
Maize (Jhum) Sowing stage (Jhum) Sowing stage (Jhum) Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low		\ .			
bunchy type frenchbean. Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Rabi Maize Cob formation stage Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low		\ \ \\		4	
Maize (Jhum) Seed should be treated with Thiram @4 g/kg seed. Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low			еспени		
# Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Cob formation stage	Maize	Sowing stage	- SERVINI	4	
Use optimum seed rate (20-25 kg/ha) for desire plant population. Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low	(Jhum)		· · · · · · · · · · · · · · · · · · ·		g/kg seed.
Apply well decomposed FYM/pig manure @ 5-10 t/ha along with 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low	, ,)		4,	1 1
Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low			`	-1	
Rabi Maize Cob formation stage Cob formation stage Cob formation stage Rabi Maize Cob formation stage Cob formation stage Rabi Maize Cob formation stage AWNGTLAI				-	
incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low			LUNGLEI	1	
Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low		(
Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low			. 8		
Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low)	1		
Rabi Maize Cob formation stage Light irrigation on every week may be given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low				1	
stage given for better establishment and smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low	Rabi Maize	Cob formation		4	
smooth growth. Earthing up soil near to plant for better support. Maize rust disease will prevail due to high relative humidity with low) WY	1	3 3
■ Earthing up soil near to plant for better support. ■ Maize rust disease will prevail due to high relative humidity with low			1	į į	
support. Maize rust disease will prevail due to high relative humidity with low			LAWNGTLAL	4	
high relative humidity with low					support.
			(301110	4	
temperature. Apply Mancozeb Kg/ha				-	
1 113 000 81					temperature. Apply Mancozeb Kg/ha

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | P a g e

			C CC
			for effective control.
			♣ Remove the alternate host <i>Oxalis</i>
			comiculata.
Potato	Harvesting	/ /	↓ If the leaves and plant became dry it
	stage	2	means plant ready for harvesting.
		1	♣ Open the furrow with the help of
		KOLASIB	spade, harvest all mature tubers.
	\		■ Keep 7 -10 days for drying or reduce
	/	WS)	the moisture level in shed dry.
	5		♣ Keep 25% seed for next season sowing.
VEGETABLE CRO	OP		1
Onion	Harvesting	Due to rain	♣ Spray Cycocel @ 200ppm +
	stage		carbendazim @ 1000 ppm 30 days
	MAMIT	1)	before harvest to extend the shelf life
	ζ	AIZAWL	of onion.
	\	CHICANE	♣ Optimum time of harvesting is one
	\	5	week after 50% of leaves have fallen.
	\		♣ Harvesting is done by pulling the
	1	1 1/3	bulbs. On large scale mechanical
)		harvesters are used
))		Ideal conditions for storage, include
		SERCHH	low humidity (< 80% RH) and low
		SEROIIII	temperature (2 – 10 °C).
Cowpea	Sowing stage	×	♣ Plough the field properly, at least 2-3
			times.
			Mix fertilizer with FYM 50:60:60Kg
			/ha.
		LUNGLEI	Sow 2-3 seed per whole.
	}		→ Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	*	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	Before sowing seed provide one or two
		Provide	irrigation.
		irrigation in	Frovide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	\
		okra field.	5
Cingon and	Cowing store	LAWNG TLAL	Rhizome should be treated with Thiram
Ginger and	Sowing stage	/ SAIHA	
turmeric		(W 8/ 118 Seca.
			Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
		6	

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		(ALEANE	Phone in the second sec
Pig	All stages	Porcine Reproductive Respiratory LUSyndrome (PRRS).	 As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. 1. Culling of positive pigs or piglets.
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAJ	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth Disease (FMD)	• FMD vaccine at 16 week and repeat every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).
	<u> </u>	P C	

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	 Primary vaccination 6 month or above
			Revaccination annually
Poultry	Litter		♣ Birds require adequate space, sufficient
	management	7	feed to meet their nutritional
	-) \ .	- 3	requirements and an adequate supply
		Value (of good-quality water.
	į į	KOLASIB	Good management and sanitation are
	i i		the best ways to avoid infectious
	/	" \	disease in poultry.
)	(♣ Provide ample quantity of clean
	}	> 5	drinking water.
			Avoid feeding of mouldy feed. Don't
	{		make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult
)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	birds.
	1		B complex with antibodies
	λ,	4 th weeks	4 Coccidiosis- Amprolium or
	\		coccidiostat
	{ (h	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY			_ 2 \
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
	preparation		in development of plankton which serve
	\		as natural feed for the fishes.
		7	Raw cowdung should be applied in the
	(pond at the rate of 10 tonnes/ha/year.
		LUNGLEI	One third of the total dose should be
	}		applied initially and the rest may be
		~	applied in a spilt doses.
	\	V (>-	Single super phosphate should also be
			applied at the rate of 250 kg/ha in the
			pond.
			+ After one week of application
		1 -7	development of planktons could be
			observed in the pond depending on the
		LAWNGTLAN	colour of the water. Yellowish green
		SAIHA	colour is an indicator of the good
		()	plankton development.
			Transparency of the water needs to be maintained at 30-40 cm.
			maintained at 50-40 cm.
			710000
		74	7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	5	6	0
Max Temp (°C)	29	30	32	30	30
Min Temp (°C)	20	19	19	20	20
Cloud Coverage	Mainly clear	Clear sky	Partially clear	Partially clear	Partially clear
Max RH (%)	97	99	100	99	99
Min RH (%)	67	57	61	47	50
Wind Speed (KmpH)	4	2	3	2	3
*Wind Direction	S	S	S	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm) Mamit-204.87mm (428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-26°C Minimum Tem. (°C):15-18°C

Maximum RH (%):89-97%

Minimum RH (%):80-95% Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 3-4 km/hr

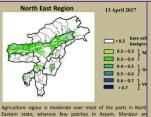
Rainfall: 195.3 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 19-20°C ni tura beisei a ni. RH san lai berin 97-100% leh a hniam lai berin 47-67% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 11.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560.



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



kui atanga a seng hun					
	-				
3	KOLASIB	 Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani. Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani. 			
}		Leia tha mamawh tawk a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.			
MAMIT	AIZAWL	♣ A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah			
\		keh tur lakah t a veng thei ani.			
30	Gummosis, citrus canker, citrus greening and Dieback	Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.			
	Fruit fly:RCHH	Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.			
All stages	LAWNGTLAI	Nursery stage Thlai chi thlak hma in Azospirillum leh Phosphobacterium a enkawl tur ani. A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani. Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani. Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hliah tur ani. Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.			
2 P a g e					
		Gummosis, citrus canker, citrus greening and Dieback Fruit fly RCHH			

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		Harvesting Stage
		♣ Coffe rah hmin hi thlasik laiin an seng
		thin a ni.
		♣ A rah hmin tha lo ho chu nuai sawm
		hmain an thliar hrang leh vek thin ani.
	Coffee Berry	
	borer	ani.
		Hmaih neih nuaih loh tur ani.
	/ 100	■ Sneg hmaih te lakkhawma paih vek tur
		ani.
		♣ Seng bang zawng zawng chu uluka taka
		paih fai vek tur ani.
		♣ A thlai vennan a rah tlai ho chu paih vek
	MAMIT 1	tur ani.
	MAMIT	Hmun dam lutukah dah loh tur.
	\ AIZAWL	Boruak tha taka a hmuh theih nan leh a
		rawn chawr no theih nan thlai chu uluk
	Y 3	tak a hlawi tur ani.
		Chuan hei hian kah tur ani. Quinalphos 25
		EC @ 340 ml/200 lit emaw lamda
) ~ ~ \	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
		In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
	SER	parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.
	Coffee Rust	
	Coffee Rust	dang te paihpaih vek tur ani.
		Bordeaux mixture 0.5% in February -
	J	March (Pre-bloom) a kah phawt a,
		Oxycarboxin 0.03% in May - June (Pre-
	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND PULSE	CROPS	monsoon, an kan emanzawin tar am.
	chin hun	Vaimim chinna tur atan lei kan let
Nasi Maize	- Nam	phut darh anga.
		Hei hian a rawn to chhuah na tur atan
		a pui dawn a ni.
	D ~ Y	A chi chu kan lei leh saah chuan kan
	11 (dah ang.
	1	♣ A chi chu Thiram @4 g/kg seed hian ak
	LAWNGTLAL	sawngbawl hmasa anga.
) / S/	AIHA 4 20-25 kg/ha vel a chi thlak hi a tawk
		vel viau ani.
		A chi tuh hma in lei leh FYM @5-10
	120	t/ha leh 80:60:40 kg N, P_2O_5 leh
		3 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Soybean, pea,	All stage	Zero tillage	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. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	} MAMIT		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 CR		-	#6/70 v/ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tomato	Bacterial Blight disease	LUNGLEI	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 SAIHA	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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

			awm thin a , hei hi natna tlanglawn
			ber ani.
			♣ Thlai hna lam chi leh zikhlum lam
	()	1	chi reng reng enkawl nan Mancozeb
) \	-/	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum)	W)	tui pek thin tur ani.
	5		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
	/ MAMIT)	to loh nan Pendimethalin @ 3.5ml hi
	(tui liter 1 zelah pawlh a kah hi a tha
	((AIZAWL)	CHAIhle ani.
	\	Phytopthora	A chi ven that nan thiram 3g/kg seed
	\	(blight)	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
	\ \ \\	7	oxychloride a tui liter 1 hi 10-15 DAS a
	1	ornou	pek hi a tha hle ani.
French bean	Sowing stage	SERCHIII	♣ Tui pek a hnihnah hringa khuh tur ani
		V (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
		LUNGLEI	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	1		tui pek thin tur ani.
	*	0 (~	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
		1 -7	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
			- parriar tar tar

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBEI	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).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			4	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
) (2		an chaw eitur thlak sak thut loh tur
	4	VOLUE OF		ani.
	Preventive	0-3 rd week		Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	(3 1		a puitlingh chuan R ₂ B vaccine pek tur ani.
	(4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	Į į	/	-	coccidiostat
	/ MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	-	AIZAWL		AMPAI (
	Pond	3rd-4th weeks	4	Dil a leitha hman hian sangha chaw
	preparation	o i woons	. -	kan tih mai planktons insiam nan a
	(Dil buatsaih)			tanpui thin.
		SERCHI		Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		LAWNGTLAN	1	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	` }_	7 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scient <mark>ist (Soil Fertility)</mark>	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	/:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal) : ·	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	:	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

MAMIT

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

	- N N	/	1		
Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	6	0	5	4	4
Max Temp (°C)	29	31	33	31	30
Min Temp (°C)	20	20	19	21	20
Cloud Coverage	Clear sky	Clear sky	Partially clear	Partially clear	Partially clear
Max RH (%)	94	94	91	92	94
Min RH (%)	58	49	51	37	44
Wind Speed (KmpH)	2	2	3	2	2
*Wind Direction	S	S-W	S-W	S	S

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

307.40 mm Kolasib- 236.00mm

Date of issue: 25th April, 2017

(430.2mm) (359.89mm)
Lawngtlai-291.20mm Lunglei-326.00mm

(359.89mm) (507.7mm)

(428.1mm) Serchhip-411.72mm

(453.1mm)

(465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):22-25°C
Minimum Tem. (°C):14-17°C
Maximum RH (%):96-98%
Minimum RH (%):70-87%
Wind Direction: Southeasterly
Cloud cover: Mainly cloudy
Wind Speed: 4-5 km/hr

Rainfall: 181.0 mm

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

There are chances of light rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 29-33°C and 19-21°C. Maximum relative humidity is expected in the range of 91-94% and minimum may from 37-58%. Wind direction would be southerly to southwesterly and southerly with the wind speed of 2-3 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 19.0 mm

NDVI for Mizoram

North East Region

13 April 2017

02-0.3

0.3-0.4

0.5-0.6

0.5-0.6

0.5-0.6

0.5-0.6

Moderately wet mildly dry/mildly wet conditions

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	J	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	-	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	ROLAGID	♣ In the citrus belt, trees can be planted
LIME	Jugo	A. 1	at any time, however, spring is the best
	(13 A /	time for container grown plants.
BANANA	7		♣ Standard-size trees should be spaced
	/		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	} MAMIT	1	exact distance depends on the variety.
	/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
PLUM AND	3	AIZAWL	the distance.
PEACH	l l	1	If the soil is not well-drained, plant the
PEACH	(3	trees on a slight mound to
	\ \		prevent water logging. 4 Mulching should be done with dry
) _A		grasses near the tree base to conserve
	\ \		soil moisture during winter.
	8	оспони	The young fruit plant must be irrigated
		SERCHH	at weekly interval for better
			establishment.
		Gummosis, citrus	♣ Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	\	Dieback, Lamon	branches protect healthy plant from soil borne disease.
	(butterfly and leaf	Lamon butterfly- Spray monocrotophos
	l l	minor 5	@0.04% @1.2 ml/lt of water.
	7	I A	Leaf minor- Spray confidor 0.05% (0.5
		P \	ml/lit of water) at each flush
			emergence.
		1 6 4	Citrus Canker- Apply bacterimycin
		V	@0.6 g/lt of water.
Passion Fruit	Transplanting	LAWNGTLAL	High yielding mother vine with good
	stage	SAIHA	quality fruits and free of virus diseases
		SAIHA	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
			A cutting should contain at least 3
			buds and must be planted in sand beds.
		N 1	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Pineapple Flowering stage Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. PLANTATION CROP COFFEE Blooming stage # If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%	7	KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: ■ The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
SAIHA Blooming stage LUNGLE LUNGLE	stage MAMIT	AIZAWL	 ♣ Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. ♣ The flowering emergence will come out after 55-60 days after chemical spraying. ♣ Apply split doses of fertilizer @ 60: 50:60 g per plant. ♣ Remove all unwanted leaves, branches
	Bloomi <mark>ng</mark>	LAWNGTLAJ	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

			interval.		
Rubber	Nursery stage		Clearing operation may be done during		
			the month of February to April.		
	17	/ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	♣ Make fire line to protect the young tree		
) \ ,	-	and seedlings.		
		KOLASIB	♣ 10-12 kg of well rotten organic manure		
		KOLASIB	and 225 gm rock phosphate should be		
	}	W 1	apply at time of planting to each pit as		
OPPEALS AND	DILL CE ODODO		basal dose application.		
CEREALS AND	1		I I I I I I I I I I I I I I I I I I I		
Pre Kharif	Nursery stage		♣ Use only Well filled and healthy seeds.♣ Put the seed in 2.5% salt solution i.e		
Rice	J		250 g of common salt in 10 lts of water.		
	A MAMIT	1	♣ Seed treated with Bavistin 50 WP @		
	(0.1% (2 g/lt) solution.		
	\ \ \	AIZAWL	♣ Mulching is requiring for better		
	\		germination in nursery.		
Jhum Rice	Sowing stage		Sowing in ridge and furrow.		
		1 1	Mulching with grass for better		
) [germination.		
))		♣ Intercropping with greengram and		
		SERCHH	bunchy type frenchbean.		
Maize	Sowing stage		Seed should be treated with Thiram @4		
(Jhum)	1		g/kg seed.		
		7	Use optimum seed rate (20-25 kg/ha)		
		· ·	for desire plant population. Apply well decomposed FYM/pig		
		LUNGLEI	manure @ 5-10 t/ha along with		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LUNGLE	$80:60:40$ kg N, P_2O_5 and K_2O/ha		
	1		incorporate with soil before sowing.		
	<u></u>	a ?~	Half nitrogen dose will use at the time		
) (of sowing and remaining 25% after one		
			month and 25% at flowering stage.		
Rabi Maize	vegetative		➡ Light irrigation on every week may be		
	stage	1 -2]	given for better establishment and		
			smooth growth.		
		LAWNGTLAI LAWNGTLAI			
		SAIHA	support.		
			♣ Maize rust disease will prevail due to		
			high relative humidity with low temperature. Apply Mancozeb Kg/ha		
		7	temperature. Appry maneuzeu kg/na		

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | P a g e

			C CC 1: 1
			for effective control.
			Remove the alternate host Oxalis
			comiculata.
Potato	Harvesting	3	♣ If the leaves and plant became dry it
	stage	- 1	means plant ready for harvesting.
		KOLASIB	♣ Open the furrow with the help of
		KOLASIB	spade, harvest all mature tubers.
	1		★ Keep 7 -10 days for drying or reduce
	(~ 7	the moisture level in shed dry.
)	(♣ Keep 25% seed for next season sowing.
VEGETABLE CR			
Onion	Harvesting	Due to rain	♣ Spray Cycocel @ 200ppm +
	stage		carbendazim @ 1000 ppm 30 days
	MAMIT	1	before harvest to extend the shelf life
	\ \frac{1}{2}	AIZAWL	of onion.
)		♣ Optimum time of harvesting is one
	ì)	week after 50% of leaves have fallen.
),	1 ~ /	Harvesting is done by pulling the
	\		bulbs. On large scale mechanical
	l [[~ \	harvesters are used
))		Ideal conditions for storage, include
	Ş	SERCHH	low humidity (< 80% RH) and low
		W	temperature (2 – 10 °C).
Cowpea	Sowing stage		Plough the field properly, at least 2-3
			times.
	J	`	Mix fertilizer with FYM 50:60:60Kg
			/ha. Sow 2-3 seed per whole.
	\	LUNGLEI	
Okra	Sowing store	Woodingond	Spacing should be 30 X 20 cm.Plough the field with the help of spade.
OKIA	Sowing stage	Weeding and	Sow 2 seed 45 X 45 cm spacing.
)	light irrigation	Before sowing seed provide one or two
		in nursery bed.	irrigation.
		Provide	Provide fertilizer @ 120: 60: 60 Kg/ha
		irrigation in	110viac ici anizci (a) 120. 00. 00 kg/ila
		transplanted	<u>L</u>
		okra field.	
Ginger and	Sowing stage	LAWNG FLAT	Rhizome should be treated with Thiram
turmeric		/ SAIHA	6 1 8/ 118 beed.
			♣ Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
		7	

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		(ALEANE)	1
Pig	All stages	SERCHH	 ♣ As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. ♣ Regularly monitor their level of 'fitness' and increase their feed intake to maintain. ♣ Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
		Porcine	1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAJ	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	Young stage	Disease (FMD) Black Quarter	every 6 month. Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	 Primary vaccination 6 month or above 			
			Revaccination annually			
Poultry	Litter		♣ Birds require adequate space, sufficient			
	management	7	feed to meet their nutritional			
	-) \ .	3	requirements and an adequate supply			
			of good-quality water.			
		KOLASIB	♣ Good management and sanitation are			
	\ \	[S	the best ways to avoid infectious			
	/	W >)	disease in poultry.			
) · · · · · · ·		♣ Provide ample quantity of clean			
)	5 6	drinking water.			
			♣ Avoid feeding of mouldy feed. Don't			
	l - {		make sudden changes in feed			
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)			
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult			
	\	CHICANIC	birds.			
		5	♣ B complex with antibodies			
	1	4 th weeks	Coccidiosis - Amprolium or			
			coccidiostat			
	\ <u></u>	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂			
FISHERY	1)	0.550	?			
	Pond	3rd-4th weeks	Application of fertilizers/manure helps			
	preparation	V (in development of plankton which serve			
			as natural feed for the fishes.			
		7	Raw cowdung should be applied in the			
	(pond at the rate of 10 tonnes/ha/year.			
	\	LUNGLEI	One third of the total dose should be			
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		applied initially and the rest may be			
	1	-	applied in a spilt doses.			
	\\	a { ~~	Single super phosphate should also be			
			applied at the rate of 250 kg/ha in the			
			pond.			
			After one week of application			
		1 -7	development of planktons could be			
			observed in the pond depending on the			
		LAWNGTLAN	colour of the water. Yellowish green			
		SAIHA	colour is an indicator of the good			
			plankton development.			
			Transparency of the water needs to be maintained at 30-40 cm.			
			maintained at 50-40 cm.			
			710000			
		74	7 P a g e			

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga		Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Champhai Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	6	0	5	4	4
Max Temp (°C)	29	31	33	31	30
Min Temp (°C)	20	20	19	21	20
Cloud Coverage	Clear sky	Clear sky	Partially clear	Partially clear	Partially clear
Max RH (%)	94	94	91	92	94
Min RH (%)	58	49	51	37	44
Wind Speed (KmpH)	2	2	3	2	2
*Wind Direction	S	S-W	S-W	S	S

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Lunglei-326.00mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm) Mamit-204.87mm (428.1mm) Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

(465.14mm)

(442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):22-25°C Minimum Tem. (°C):14-17°C

Maximum RH (%):96-98%

Minimum RH (%):70-87%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind Speed: 4-5 km/hr

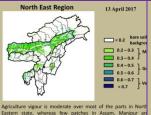
Rainfall: 181.8 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-33°C a ni ang a. A vawh lai ber in 19-21°C ni tura beisei a ni. RH san lai berin 91-94% leh a hniam lai berin 37-58% ni tur a rin niin. Thli hi darkar khatah 2-3 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 19.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041. Fax: +91 3837 220560.



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
			♣ A rah hmin tha lo ho chu nuai sawm
	- Y 1	3	
	- I	0.00	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1		Hmaih neih nuaih loh tur ani.
	/	~)	Sneg hmaih te lakkhawma paih vek tur
	· · · · · · · · · · · · · · · · · · ·		ani.
)		Seng bang zawng chu uluka taka
			paih fai vek tur ani.
	J		♣ A thlai vennan a rah tlai ho chu paih vek
	A MAMIT	1 1	tur ani.
	/	\ \	Hmun dam lutukah dah loh tur.
		AIZAWL I I I	Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk
)	 	tak a hlawi tur ani.
)		♣ Chuan hei hian kah tur ani. Quinalphos 25
)	1 2 2	_
	1		EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.
)	[_ \	In leh loa sawngbawln a a ro dan tur
	\ \		tawkah chuan: Arabica / robusta
		oce out	
		SERCHH	robusta cherry 11.0 %.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
	\ \ \	Conce Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	5	🖊 Vaimim chinna tur atan lei kan let
		0	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		1 - 1	4 A chi chu kan lei leh saah chuan kan
		1 " (dah ang.
			A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		/ SAIHA	
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		201	t/ha leh 80:60:40 kg N, P_2O_5 leh
		TO V.	3 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Soybean, pea,	All stage	Zero tillage	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. ⚠ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		 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 CR			#5 <i>7</i> 0
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

			awm thin a , hei hi natna tlanglawn ber ani.
			↓ Thlai hna lam chi leh zikhlum lam
	1	/	chi reng reng enkawl nan Mancozeb
		5	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum	/	W ()	tui pek thin tur ani. Thlai bul vawn hnawn nana thlai bula
	7		hnim ring vawm khawm hi tui pek
	1	2 5	zawhah dah tur ani.
	J		♣ Thlai chhina hmun (nursery) hi hnim a
	MAMIT (to loh nan Pendimethalin @ 3.5ml hi
	ζ	0.17.0500	tui liter 1 zelah pawlh a kah hi a tha
		Phytopthora	■ A chi ven that nan thiram 3g/kg seed
	\ \ \	blight	emaw Trichoderma viride 4g+ metalaxyl 4g
	λ,	blight	(Apron)/ kg seed hi a tha hle ani
	\	1 3	Hneh taka 1% Bordeaux chawhpawlh
	{ (emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a
	(1)	СЕВСИИ	pek hi a tha hle ani.
French bean	Sowing stage	Jack Chin	♣ 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
		Ì	na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish		5	tui pek thin tur ani.
	``	0	Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.
			■ Zikhlum lam chi ah chuan sik leh
		7 (sa vangin a hnah ah thil dum a
) W	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		/ SAIHA	
			Mancozeb @ 2gm ah tui leter 1
			nawlha kah tur ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBEI	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).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI SAIHA	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	1			
			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	3 \	2		an chaw eitur thlak sak thut loh tur
		N		ani.
	Preventive	0-3 rd week	4	Ranikhet Disease- an pian atanga ni
	measures		1	1-6 ah F1 vaccine pek tur ani a, chuan
	11100051100	WS		a puitlingh chuan R ₂ B vaccine pek tur
	5			ani.
	S		4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	J			coccidiostat
	MAMIT	4-5 th Weeks	-	
		4-5th weeks		Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL	CH/	AMPAI
	Pond	3 rd -4 th weeks	+	Dil a leitha hman hian sangha chaw
	preparation	3		kan tih mai planktons insiam nan a
	(Dil buatsaih)	1 2		tanpui thin.
	(211 244 244 244 244 244 244 244 244 244	1	4	Bawngek hring 10 tonnes/ha/year vel
	{ (_	dil ah hman thin a ni a; bawngek
	1/			kumkhat a kan mamawh zat
		SERCHE	IIP	hmunthum a then a hmunkhat hi dil
		V- L.		buatsaih nan hman tur ani. A bak
				zawng hi tui boruak a zirin semdarh a
			J	hman thin tur ani.
			1	
			_	Single super phosphate hi dil hectare
	1	LUNGLEI	/	khat zel a zauah kg 250 ang a hman thin tur ani.
	(
		- 5~	1	Leitha kan hman atang a karkhat
	,	11	1 (hnuah tui rawng a tangin sangha chaw
				inseam that leh thatloh a hriat theih a.
		7 0		Tui rawng eng hring deuh nghalh ah
			1 (hian sangha chaw planktons te an
		1 2		inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL	1	pawh 30-40 cm vel ani tur ani.
		→ SAIHA	i,	\
			4	\
			ŧ ì	-
		7)	710000
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

	N 1	1	1		
Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	4	5	6	5	3
Max Temp (°C)	30	30	31	31	31
Min Temp (°C)	21	20	20	21	21
Cloud Coverage	Partially clear				
Max RH (%)	98	99	99	98	99
Min RH (%)	73	61	65	50	52
Wind Speed (KmpH)	4	2	3	2	3
*Wind Direction	S	S	S	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-26°C

Minimum Tem. (°C):15-18°C Maximum RH (%):98-100%

Minimum RH (%):84-96% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

Rainfall: 178.7 mm

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

Date of issue: 25th April, 2017

There are chances of light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 30-31°C and 20-21°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 50-73%. Wind direction would be southerly to southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 23.0 mm

NDVI for Mizoram

Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling	5	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	KULASIB	♣ In the citrus belt, trees can be planted
LIME	Stuge	1	at any time, however, spring is the best
DIME	(" 3 4 /	time for container grown plants.
BANANA	7	(♣ Standard-size trees should be spaced
	1	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∑ _{MAMIT}		exact distance depends on the variety.
	MAWIT		The bigger the fruit, the farther
DI IIM AND	}	AIZAWL	the distance.
PLUM AND	l l	\	♣ If the soil is not well-drained, plant the
PEACH	l l	1 1	trees on a slight mound to
	1,) ~ (prevent water logging.
	\	1 3	♣ Mulching should be done with dry
	((grasses near the tree base to conserve
	1 /		soil moisture during winter.
		SERCHH	
		V	at weekly interval for better establishment.
	<u> </u>	Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil
	}	butterfly and leaf	borne disease.
		minor 🚗	Lamon butterfly- Spray monocrotophos
	<u></u>	0 (~	@0.04% @1.2 ml/lt of water.
			Leaf minor- Spray confidor 0.05% (0.5 ml/lit of water) at each flush
			emergence.
			4 Citrus Canker- Apply bacterimycin
		1 2	@0.6 g/lt of water.
Passion Fruit	Transplanting		♣ High yielding mother vine with good
	stage	LAWNGTLAL	quality fruits and free of virus diseases
	28-	∫ f SAIHA	should be selected to provide cuttings.
			♣ A cutting should contain at least 3
			buds and must be planted in sand
		200	beds.
		N. V.	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Pineapple Flowering stage Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come our after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant. PLANTATION CROP COFFEE Blooming stage If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
**If day temperature and prolong dry spell occur it lead to Flora abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. **Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. **Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. **The young fruit plant must be irrigated at weekly interval for better establishment. **Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%	stage	AIZAWL	 Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches
	Bloomi <mark>ng</mark>	LAWNGTLAI	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
) \	7		and seedlings.
		Value (4	10-12 kg of well rotten organic manure
		KOLASIB	١.	and 225 gm rock phosphate should be
	1	LA .	1	apply at time of planting to each pit as
	/	7		basal dose application.
CEREALS AND				
Pre Kharif	Nursery stage	2 5		Use only Well filled and healthy seeds.
Rice			+	Put the seed in 2.5% salt solution i.e
		(3		250 g of common salt in 10 lts of water.
	/ MAMIT	\ (+	Seed treated with Bavistin 50 WP @
	\	AIZAWL	CI_	0.1% (2 g/lt) solution.
	ì	> 1	+	Mulching is requiring for better
71 5:	0 1 1			germination in nursery.
Jhum Rice	Sowing stage			Sowing in ridge and furrow. Mulching with grass for better
	\	1 3 1	-	Mulching with grass for better germination.
	((~ / /		Intercropping with greengram and
	1 1		-	bunchy type frenchbean.
Maize	Sowing stage	SERCHH	4	Seed should be treated with Thiram @4
(Jhum)	bowing stage	7	_	g/kg seed.
(Ortain)			4.	Use optimum seed rate (20-25 kg/ha)
		7		for desire plant population.
			4	Apply well decomposed FYM/pig
		LUNGLEI		manure @ 5-10 t/ha along with
	}			80:60:40 kg N, P_2O_5 and K_2O/ha
		~		incorporate with soil before sowing.
	<u></u>	0 (~	7	Half nitrogen dose will use at the time
			Н	of sowing and remaining 25% after one
			1	month and 25% at flowering stage.
Rabi Maize	vegetative		#	Light irrigation on every week may be
	stage		1	given for better establishment and
				smooth growth.
		LAWNGTLAJ	-	Earthing up soil near to plant for better
		SAIHA	_	support.
			-	Maize rust disease will prevail due to
			-	high relative humidity with low
		2	1	temperature. Apply Mancozeb Kg/ha

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			for effective control.		
			Remove the alternate host <i>Oxalis</i> comiculata.		
Potato	Harvesting	/	♣ If the leaves and plant became dry it		
	stage	£ 1	means plant ready for harvesting.		
		KOLASIB	♣ Open the furrow with the help of		
		1	spade, harvest all mature tubers. Keep 7 -10 days for drying or reduce		
)	W)	the moisture level in shed dry.		
	\ \ \		★ Keep 25% seed for next season sowing.		
VEGETABLE CR	OP		S		
Onion	Harvesting	Due to rain	♣ Spray Cycocel @ 200ppm +		
	stage		carbendazim @ 1000 ppm 30 days		
	MAMIT	\	before harvest to extend the shelf life		
	\ \	AIZAWL	of onion.		
	\ \	1	Optimum time of harvesting is one week after 50% of leaves have fallen.		
		3	Harvesting is done by pulling the		
	\ \		bulbs. On large scale mechanical		
) ~		harvesters are used		
))		Ideal conditions for storage, include		
		SERCHH	low humidity (< 80% RH) and low		
		<u> </u>	temperature (2 – 10 °C).		
Cowpea	Sowing stage	1	Plough the field properly, at least 2-3 times.		
		7	Mix fertilizer with FYM 50:60:60Kg		
		,	/ha.		
		LUNGLEI	Sow 2-3 seed per whole.		
	7				
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.		
		light irrigation	Sow 2 seed 45 X 45 cm spacing.		
		in nursery bed.	Before sowing seed provide one or two irrigation.		
		Provide	Provide fertilizer @ 120: 60: 60 Kg/ha		
		irrigation in	110vide ierunzer (a) 120. 00. 00 isg/iia		
		transplanted	<u>L</u>		
Cinger and	Coming store	okra field.	♣ Rhizome should be treated with Thiram		
Ginger and turmeric	Sowing stage	SAIHA			
turmeric		(Use optimum seed rate (50-60 kg/ha)		
			for desire plant population.		
		1 4 C	5 P a g e		

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		(AILANIL)	
Pig	All stages	SERCHH	 As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.
		Porcine -	1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAL	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	Young stage	Disease (FMD) Black Quarter	every 6 month. Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	 Primary vaccination 6 month or above 		
			Revaccination annually		
Poultry	Litter		♣ Birds require adequate space, sufficient		
	management	/ }	feed to meet their nutritional		
) \ .	-/ 3	requirements and an adequate supply		
			of good-quality water.		
]	KOLASIB			
	\		the best ways to avoid infectious		
	/	~ }	disease in poultry.		
)		♣ Provide ample quantity of clean		
	}	5 5	drinking water.		
			♣ Avoid feeding of mouldy feed. Don't		
	<i>\</i>		make sudden changes in feed		
	Preventive	0-3 rd week	♣ Ranikhet Disease- F1 vaccine at (1-6)		
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult		
	\	CHICANIC	birds.		
		5	♣ B complex with antibodies		
	λ.	4 th weeks	Coccidiosis - Amprolium or		
	1		coccidiostat		
	\ <u></u>	4-5 th Weeks	♣ Calcium tonic fortified with B ₁₂		
FISHERY		0.550	?		
	Pond	3rd-4th weeks	Application of fertilizers/manure helps		
	preparation	V	in development of plankton which serve		
			as natural feed for the fishes.		
		/	Raw cowdung should be applied in the		
			pond at the rate of 10 tonnes/ha/year.		
		LUNGLEI	One third of the total dose should be		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LONGLLI	applied initially and the rest may be		
		_	applied in a spilt doses.		
	<u></u>	8 ~	Single super phosphate should also be		
		1	applied at the rate of 250 kg/ha in the		
			pond.		
			After one week of application		
		1 5	development of planktons could be		
			observed in the pond depending on the		
		LAWNGTLAL	colour of the water. Yellowish green		
		SAIHA	colour is an indicator of the good		
		(SAIRA	plankton development.		
			Transparency of the water needs to be		
			maintained at 30-40 cm.		
		6 /	7.17		
			7 P a g e		

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	l:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	1:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual		Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Kolasib Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	4	5	6	5	3
Max Temp (°C)	30	30	31	31	31
Min Temp (°C)	21	20	20	21	21
Cloud Coverage	Partially clear				
Max RH (%)	98	99	99	98	99
Min RH (%)	73	61	65	50	52
Wind Speed (KmpH)	4	2	3	2	3
*Wind Direction	S	S	S	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-26°C

Minimum Tem. (°C):15-18°C Maximum RH (%):98-100% Minimum RH (%):84-96% Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

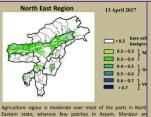
Rainfall: 178.7 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 30-31°C a ni ang a. A vawh lai ber in 20-21°C ni tura beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 50-73% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 23.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harrasting Stage
			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	()	/ ?	♣ A rah hmin tha lo ho chu nuai sawm
) \	2	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	{	lf. (→ Hmaih neih nuaih loh tur ani.
)	(A)	👃 Sneg hmaih te lakkhawma paih vek tur
	() 1	ani.
	(👃 Seng bang zawng zawng chu uluka taka
	(paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
			tur ani.
	/ MAMIT		Hmun dam lutukah dah loh tur.
	5	AIZAWL	+ Boruak tha taka a hmuh theih nan leh a
)	\	rawn chawr no theih nan thlai chu uluk
	\ \	5	tak a hlawi tur ani.
	\		4 Chuan hei hian kah tur ani. Quinalphos 25
	\		EC @ 340 ml/200 lit emaw lamda
	\	1 1	cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	In leh loa sawngbawln a a ro dan tur
	1 / /		tawkah chuan: Arabica / robusta
		SERCHH	
			robusta cherry 11.0%.
	l l	Coffee Rust	Natna hrik in a khawih tawh a hnah leh a
			dang te paihpaih vek tur ani.
		`	Bordeaux mixture 0.5% in February -
			March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon) an kan chiiqiizawin tur am.
Rabi Maize			Voiming shippe type stop lei leap let
Kaul Walze	A chin hun	0 (~	Vaimim chinna tur atan lei kan let
	·	131	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			4 A chi chu kan lei leh saah chuan kan
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	dah ang.
			│ ♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		/ SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			A chi tuh hma in lei leh FYM @5-10
			t/ha leh 80:60:40 kg N, P_2O_5 leh
	l	N A	
		- 4	3 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Soybean, pea,	All stage	Zero tillage	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. ♣ A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	} MAMIT		 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 CR		-	10.70 / 1.9.1 1
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

			awm thin a , hei hi natna tlanglawn
			ber ani.
			♣ Thlai hna lam chi leh zikhlum lam
	()	7	chi reng reng enkawl nan Mancozeb
) \ .	-	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum)	W)	tui pek thin tur ani.
	5		Thlai bul vawn hnawn nana thlai bula
	 		hnim ring vawm khawm hi tui pek
			zawhah dah tur ani.
	J.		Thlai chhina hmun (nursery) hi hnim a
	AMAMIT ()	to loh nan Pendimethalin @ 3.5ml hi
	(tui liter 1 zelah pawlh a kah hi a tha
	((AIZAWL)	CHAIhle ani.
	\	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	\	(blight)	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	\ \		Hneh taka 1% Bordeaux chawhpawlh
) A	1	emaw 2 g captan emaw 3 copper
	\ \ \\	7	oxychloride a tui liter 1 hi 10-15 DAS a
	1	ornou	pek hi a tha hle ani.
French bean	Sowing stage	SEKUMI	♣ Tui pek a hnihnah hringa khuh tur ani
		V (a. than a that theih nan tui pek hma
	\ \ \ \ \		in lei rin pan hmasak tur ani.
			4 A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
		LUNGLEI	tur ani.
Carrot and	Sowing stage		4 A than a that theih nan nikhat danah
radish	1		tui pek thin tur ani.
	*	0 (~	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
		1 -7	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
	I		- P

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



ANIMAL HUSBEI	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).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI SAIHA	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	1			
			+	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur
				ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	7 \	1		an chaw eitur thlak sak thut loh tur
				ani.
	Preventive	0-3 rd week	. 4	
	į į	0-0 WCCR	1	1-6 ah F1 vaccine pek tur ani a, chuan
	measures	W)		a puitlingh chuan R ₂ B vaccine pek tur
	(1 3 1 1		ani.
	(4	
		445	-	B complex with antibodies
		4 th weeks	-	Coccidiosis- Amprolium or
	\$	4 3		coccidiostat
	MAMII	4-5 th Weeks	+	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWL	CH/	AMPAI
	Pond	3 rd -4 th weeks	4	Dil a leitha hman hian sangha chaw
	preparation	(kan tih mai planktons insiam nan a
				tanpui thin.
	(Dil buatsaih)		-	
		~ / /	-	Bawngek hring 10 tonnes/ha/year vel
))			dil ah hman thin a ni a; bawngek
		SERCHH	IIP	kumkhat a kan mamawh zat
	1	·	T	hmunthum a then a hmunkhat hi dil
				buatsaih nan hman tur ani. A bak
		_	١.	zawng hi tui boruak a zirin semdarh a
			_ [hman thin tur ani.
			4	Single super phosphate hi dil hectare
		LUNGLEI	ļ ·	khat zel a zauah kg 250 ang a hman
	3	EGNOLEI	1	thin tur ani.
			4	Leitha kan hman atang a karkhat
	L.	~ 8~	-	hnuah tui rawng a tangin sangha chaw
	,	11		inseam that leh thatloh a hriat theih a.
			1	
) 7 C		Tui rawng eng hring deuh nghalh ah
			1 (hian sangha chaw planktons te an
		1 2	1	inseam tha ang a ngaih ani.
		}	-	Tui nut zawng tehna transparency
		LAWNGTLAL		pawh 30-40 cm vel ani tur ani.
		/ SAIHA	ų.	\
				_]
			_	\
			l `	~
		M / /)—	71n
		- N- (-		7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawntlai Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	30	30	29
Min Temp (°C)	21	21	20	22	21
Cloud Coverage	Clear sky				
Max RH (%)	91	96	97	97	97
Min RH (%)	56	51	47	42	42
Wind Speed (KmpH)	6	4	2	4	4
*Wind Direction	S-E	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):24-27°C Minimum Tem. (°C):16-19°C Maximum RH (%):94-97% Minimum RH (%):50-79% Wind Direction: Easterly Cloud cover: Mainly cloudy Wind speed: 3-4 km/hr

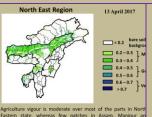
Rainfall: 147.2 mm

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 20-22°C. Maximum relative humidity is expected in the range of 91-97% and minimum may from 42-56%. Wind direction would be southeasterly to easterly with the wind speed of 2-6 km per hour. Partially clear sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal	, and the second second	practices/ Pest/	husbandry advisories
/Fisheries		Diseases	
FRUITS CROPS			
KHASI	Seedling	e	♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	ROLAGIB	♣ In the citrus belt, trees can be planted
LIME	bugu	A. 1	at any time, however, spring is the best
	- (13 4 /	time for container grown plants.
BANANA	- }		♣ Standard-size trees should be spaced
	- /		12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	} MAMIT	1	exact distance depends on the variety.
	/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	The bigger the fruit, the farther
PLUM AND	- }	AIZAWL	the distance.
PEACH	l	1	♣ If the soil is not well-drained, plant the
PEACH	l l	3	trees on a slight mound to
	4		prevent water logging. Mulching should be done with dry
	\ <u>.</u>	1 1	grasses near the tree base to conserve
	\ \		soil moisture during winter.
		опрони	The young fruit plant must be irrigated
		SERCHH	at weekly interval for better
			establishment.
		Gummosis, citrus	♣ Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
		Dieback, Lamon	branches protect healthy plant from soil borne disease.
	*	butterfly and leaf	Lamon butterfly- Spray monocrotophos
		minor 5	@0.04% @1.2 ml/lt of water.
	7	N 1	Leaf minor- Spray confidor 0.05% (0.5
			ml/lit of water) at each flush
			emergence.
		1 6 4	Citrus Canker- Apply bacterimycin
		V	@0.6 g/lt of water.
Passion Fruit	Transplanting	LAWNGTLAL	High yielding mother vine with good
	stage		quality fruits and free of virus diseases
		SAIHA	
			A cutting should contain at least 3
			buds and must be planted in sand beds.
		N N	peds. 2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

			4	Immediately after planting these should
				be kept inside a high humid chamber
				made out of bamboo and polythene.
		/		rafting:
) \	-/	' 4	The root stock of yellow Passion fruit is
		VOLUME (planted in polythene sleeves and the
		KOLASIB	_	section from Rahangala hybrid is
)	LA \		grafted using wedge or approach
	. (.	113		method of grafting.
Pineapple	Flowering		4	Apply flowering inducing chemical
	stage	7 5		(Ethrel 10 PPM+2% urea+0.04%
				Sodium Carbonate) should be applied
	∫ MAMIT	(M	in the heart of the plant. In evening and
	/ 100-00011			only when plants have at least 32 leaves.
	<u> </u>	AIZAWL	CH	The flowering emergence will come out
				after 55-60 days after chemical
	Į.	(5	spraying.
	4			Apply split doses of fertilizer @ 60:
	1 .		Ч	50:60 g per plant.
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		4	Remove all unwanted leaves, branches
		SEDON	шп	and weed near to the plant.
PLANTATION CR				
COFFEE	Bloomi <mark>ng</mark>		4	If day temperature and prolong dry
	stage			spell occur it lead to Floral
			-	abnormalities like "Star Flower" in
			Ι.	Arabica and "Pink Flower" in Robusta.
		LUNGLEI	-	Irrigation of plants at alternate day's interval, 6 weeks before harvesting
	(_		improves fruit retention and fruit
	L.	. S-		development, and reduces fruit
	1			cracking and improves the fruit quality.
		/ \	4	Mulching should be done with dry
				grasses near the tree base to conserve
		1 4		soil moisture during winter.
			4	The young fruit plant must be irrigated
		LAWNGTLAL		at weekly interval for better
		SAIF	Α .	establishment.
		(50"	4	Foliar application of Mepiquat chloride
			-	@ 1000 PPM concentration or 0.75%
		3	1	SSP @ 1.5 g per 200 lt of water 15 days
		The state of the s		

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

				interval.
Rubber	Nursery stage			Clearing operation may be done during
				the month of February to April.
		/ }	4	Make fire line to protect the young tree
) \			and seedlings.
			4	10-12 kg of well rotten organic manure
		KOLASIB	١.	and 225 gm rock phosphate should be
	1		1	apply at time of planting to each pit as
		~ 1		basal dose application.
CEREALS AND				
Pre Kharif	Nursery stage	2 5		Use only Well filled and healthy seeds.
Rice			+	Put the seed in 2.5% salt solution i.e
	∫ _{MAMIT}		_	250 g of common salt in 10 lts of water.
	J MANUT		-	Seed treated with Bavistin 50 WP @
	}	AIZAWL	ol,	0.1% (2 g/lt) solution. Mulching is requiring for better
	l l		-	Mulching is requiring for better germination in nursery.
Jhum Rice	Sorring store	-	4	Sowing in ridge and furrow.
Juliu Rice	Sowing stage			Mulching with grass for better
	\			germination.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		4	Intercropping with greengram and
	()	еспени		bunchy type frenchbean.
Maize	Sowing stage	A SERVINI	4	Seed should be treated with Thiram @4
(Jhum)		·		g/kg seed.
, ,				Use optimum seed rate (20-25 kg/ha)
		\ \		for desire plant population.
				Apply well decomposed FYM/pig
	\	LUNGLEI		manure @ 5-10 t/ha along with
	(80:60:40 kg N, P_2O_5 and K_2O/ha
		5		incorporate with soil before sowing.
)		{	Half nitrogen dose will use at the time of sowing and remaining 25% after one
			1	month and 25% at flowering stage.
Rabi Maize	vegetative		4	Light irrigation on every week may be
	stage	1 4	7	given for better establishment and
		Y (Į į	smooth growth.
		LAWNGTLAL		Earthing up soil near to plant for better
		SAIHA		support.
		SAIRA	4	Maize rust disease will prevail due to
			~	high relative humidity with low
				temperature. Apply Mancozeb Kg/ha

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			for effective control.	
			Remove the alternate host <i>Oxalis</i> comiculata.	
Potato	Harvesting	7	♣ If the leaves and plant became dry it	
	stage \	5	means plant ready for harvesting.	
		KOLASIB	Open the furrow with the help of spade, harvest all mature tubers.	
	ξ	1.	♣ Keep 7 -10 days for drying or reduce	
)	W)	the moisture level in shed dry.	
	<u> </u>		♣ Keep 25% seed for next season sowing.	
VEGETABLE CRO				
Onion	Harvesting	Due to rain	Spray Cycocel @ 200ppm +	
	stage MAMIT	1	carbendazim @ 1000 ppm 30 days before harvest to extend the shelf life	
	()	of onion.	
	\ \ \	AIZAWL	♣ Optimum time of harvesting is one	
	\	9	week after 50% of leaves have fallen.	
	1	~ ~ ?	Harvesting is done by pulling the	
	\		bulbs. On large scale mechanical	
	{ [~ /	harvesters are used Ideal conditions for storage, include	
	17	0500000	Jan hamidity (c. 200/ DII) and Jan	
		SERCHH	temperature (2 – 10 °C).	
Cowpea	Sowing stage	· · · · · · · · · · · · · · · · · · ·	♣ Plough the field properly, at least 2-3	
)	-	times.	
		`	Mix_fertilizer with FYM 50:60:60Kg /ha.	
		LUNGLEI	Sow 2-3 seed per whole.	
	>	LUNGLEI	✓ Spacing should be 30 X 20 cm.	
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.	
	*	light irrigation	Sow 2 seed 45 X 45 cm spacing.	
		in nursery bed.	Before sowing seed provide one or two irrigation.	
		Provide	Provide fertilizer @ 120: 60: 60 Kg/ha	
		irrigation in	110 rdo 101 till201 (8) 120. 00. 00 11g/11a	
		transplanted okra field.	<u></u>	
Ginger and	Sowing stage	LAWNG TLAL	♣ Rhizome should be treated with Thiram	
turmeric	Sowing stage	SAIHA		
			Use optimum seed rate (50-60 kg/ha)	
			for desire plant population.	
		4)	
5 Page				

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEN		(ALEANE)	1
Pig	All stages	SERCHH	slow-release energy with the added advantage of a high level of omega-3.
		Porcine -	1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAL	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	Young stage	Disease (FMD) Black Quarter	every 6 month. Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	 Primary vaccination 6 month or above
			Revaccination annually
Poultry	Litter		♣ Birds require adequate space, sufficient
	management	7	feed to meet their nutritional
) \ .	- 3	requirements and an adequate supply
		Value (of good-quality water.
		KOLASIB	Good management and sanitation are
	1		the best ways to avoid infectious
	/	" \	disease in poultry.
)	(♣ Provide ample quantity of clean
	}	> 5	drinking water.
			Avoid feeding of mouldy feed. Don't
			make sudden changes in feed
	Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult
)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	birds.
	1		B complex with antibodies
).	4 th weeks	Coccidiosis - Amprolium or
	\		coccidiostat
	l [4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY	1)		
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
	preparation	V	in development of plankton which serve
	PP		as natural feed for the fishes.
		1	Raw cowdung should be applied in the
			pond at the rate of 10 tonnes/ha/year.
		LUNGLEI	One third of the total dose should be
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	to the first to the	applied initially and the rest may be
			applied in a spilt doses.
	<u></u>	a 3 ~	Single super phosphate should also be
) (applied at the rate of 250 kg/ha in the
			pond.
			After one week of application
) ~ ~	development of planktons could be
			observed in the pond depending on the
		LAWNGTLAN	colour of the water. Yellowish green
		SAIHA	colour is an indicator of the good
		(SAIRA	plankton development.
			Transparency of the water needs to be
			maintained at 30-40 cm.
		7 7 X	710
		4	7 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scientist (Agril Entomology)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	Imsingson@gmail.com
Mr. P.L. Lalrinsanga	<i>[</i> :	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	į.	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lawngtlai Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date of issue: 25th April, 2017

		1			
Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	27	27	30	30	29
Min Temp (°C)	21	21	20	22	21
Cloud Coverage	Clear sky				
Max RH (%)	91	96	97	97	97
Min RH (%)	56	51	47	42	42
Wind Speed (KmpH)	6	4	2	4	4
*Wind Direction	S-E	S-E	E	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

tnree days

Maximum Tem. (°C):24-27°C
Minimum Tem. (°C):16-19°C
Maximum RH (%):94-97%
Minimum RH (%):50-79%
Wind Direction: Easterly
Cloud cover: Mainly cloudy
Wind speed: 3-4 km/hr

Rainfall: 147.2 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-30°C a ni ang a. A vawh lai ber in 20-22°C ni tura beisei a ni. RH san lai berin 91-97% leh a hniam lai berin 42-56% ni tur a rin niin. Thli hi darkar khatah 2-6 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram

North East Region

13 April 2017

0.0.2 bare solt badgroid of the sold b

Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	\ \ \\	3	♣ A rah hmin tha lo ho chu nuai sawm
	1 \		hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1		Hmaih neih nuaih loh tur ani.
	/	W >)	♣ Sneg hmaih te lakkhawma paih vek tur
	5	2 - 1	ani.
	S		Seng bang zawng zawng chu uluka taka
	[paih fai vek tur ani.
			♣ A thlai vennan a rah tlai ho chu paih vek
	A MAMIT	1 1 A	tur ani.
) MANIT	I \ (Hmun dam lutukah dah loh tur.
	1 1	AIZAWL	Boruak tha taka a hmuh theih nan leh a
	1	7	rawn chawr no theih nan thlai chu uluk
	\ \)	tak a hlawi tur ani.
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 2	Chuan hei hian kah tur ani. Quinalphos 25
	\ \ \		EC @ 340 ml/200 lit emaw lamda
)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \	T -) /	In leh loa sawngbawln a a ro dan tur
	1/		tawkah chuan: Arabica / robusta
		SERCHH	
		0-6	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh a
		Coffee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	J. J.	`	March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
	\	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon an kan cimunzawin tur am.
Rabi Maize	A chin hun		✓ Vaimim chinna tur atan lei kan let
Raul Maize	A CHIH HUH	0 (~	1
			phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		D 63 4	4 A chi chu kan lei leh saah chuan kan
		Y (dah ang.
			♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		2 1	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
		777	3 P a g e
		- T- (-	3 r a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

			_	** 0.41
			1	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
	()	7	1	bang 25% chu thla khat hnu ah ani
) \	7		ang a adang leh 25% chu a par hunah
		\		hman tur a ni.
Soybean, pea,	All stage	Zero tillage	4 1	A than a that theih nan nikhat danah
lentil toria,	\		1	tui pek thin tur ani.
breen gram	/	~ }	4]	Lei rih vur hian thlai kung te a veng ve
and black	>		6	ani.
	}	5 6	4 1	Thlasik lai a lei khoro lutuk tur ven
gram			1	nan a chungah hnim leh thildanga
cultivation in	Į.			khuh tur ani.
rice fellow) MAMIT			Tu _{ny}
Potato	Sowing stage			Muangchang loving alu chin na tur
	\ \ \	AIZAWL]		chu buatsaih vat tur ani.
	\	1	+	Hei hian a than hun laiin natna hrikin
	\	3		lakah a veng dawn ani.
	\ \		+	Lei leh hmain a hmun hma chu fai
	1	1 1		taka thlawh hmasak tur ani.
	((# /	A chi thlak hma in a chi chu en fiah
	1.7		_ /	hmasak tur ani.
	-	SERCHH	P4(A than a that theih nan nikhat danah
		V" La,)	tui pek thin tur ani.
VEGETABLE CR	OP			
Tomato	Bacterial	7	40	Tomato bikah chuan sik leh sa hi
	Blight disease			natna an kaina tlang lawn ber ani .
		LUNGLEI	4/2	Hmun hnawng leh ni hmu lo lutuk
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	LONGLEI		hmunah chuan natna an kai hma bik
	\	_	1	ani.
	L.	£~	-+	Tomato hi a uai a, a thih mai loh nan
	1	137		Ridomil emaw Indofil emaw Mancozeb
			l \	@ 2 gm hi tui liter 1 ah pawlh a kah
				tur ani .
Early Cole	Black spot	1 7 3	4	A than a that theih nan nikhat danah
crop	disease	()	1	tui pek thin tur ani.
	3223		4	Thlai bul vawn hnawn nana thlai bula
		LAWNGTLAJ		hnim ring vawm khawm hi tui pek
		/ SAIHA		zawhah dah tur ani.
			4-	Zikhlum lam chi ah chuan sik leh
			\neg	sa vangin a hnah ah thil dum rawn
	<u> </u>	2	1	on the second of

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

			awm thin a , hei hi natna tlanglawn
			ber ani.
			♣ Thlai hna lam chi leh zikhlum lam
	()	7	chi reng reng enkawl nan Mancozeb
) \	-	@ 2gm ah tui leter 1 pawlha kah
		KOLASIB	tur ani.
Onion and	Nursery stage	Poly house	♣ A than a that theih nan nikhat danah
capsicum	/	W >)	tui pek thin tur ani.
	5		Thlai bul vawn hnawn nana thlai bula
			hnim ring vawm khawm hi tui pek
			zawhah dah tur ani.
	J		Thlai chhina hmun (nursery) hi hnim a
	/ MAMIT)	to loh nan Pendimethalin @ 3.5ml hi
	(tui liter 1 zelah pawlh a kah hi a tha
	((AIZAWL)	CHAIhle ani.
	\	Phytopthora	♣ A chi ven that nan thiram 3g/kg seed
	\	(blight)	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
	1/		pek hi a tha hle ani.
French bean	Sowing stage	SERCHH	♣ Tui pek a hnihnah hringa khuh tur ani
		V (,	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
		LUNGLEI	tur ani.
Carrot and	Sowing stage		♣ A than a that theih nan nikhat danah
radish	1	<u> </u>	tui pek thin tur ani.
	*	0	Tui pek hnuah thlai bul vawn hnawn
			na tur siam tur ani.
			₹ Zikhlum lam chi ah chuan sik leh
			/ sa vangin a hnah ah thil dum a
			rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	♣ Thlai hna lam chi leh zikhlum lam
		SAIHA	chi reng reng enkawl nan
			Mancozeb @ 2gm ah tui leter 1
			pawlha kah tur ani.
			pamina nan tan ann.

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

ANIMAL HUSBEI	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).	Vawknote emaw vawk lak hran. CHAMPAI
	Adult stage	Swine fever.	2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhunzawm tur ani.
Cattle	All age group	SERCHH	Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia
	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	LAWNGTLAI	Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	Preventive	0-3 rd week	+ +	Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani. Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani. Ranikhet Disease- an pian atanga ni
	measures	4th weeks	+	1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R ₂ B vaccine pek tur ani. B complex with antibodies Coccidiosis- Amprolium or coccidiostat
DIGITAL TO THE PARTY OF THE PAR	MAMII	4-5 th Weeks		Calcium tonic fortified with B ₁₂
FISHERY	Pond preparation (Dil buatsaih)	3rd-4th weeks	CH/	Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.
		SERCHI		Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		A STATE OF THE STA	*	Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	\ {}	7 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	0	0	0
Max Temp (°C)	29	29	31	30	30
Min Temp (°C)	21	20	20	22	22
Cloud Coverage	Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
Max RH (%)	95	98	100	99	99
Min RH (%)	60	53	48	43	44
Wind Speed (KmpH)	5	2	2	4	2
*Wind Direction	S	S	S-W	E	E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

Serchhip-411.72mm (259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):23-25°C Minimum Tem. (°C):14-16°C Maximum RH (%):98-99%

Minimum RH (%):64-90%
Wind Direction: Southeasterly

Cloud cover: Mainly cloudy Wind Speed: 3-4 km/hr

Rainfall: 155.3 mm

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

There is no chance of rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-31°C and 20-22°C. Maximum relative humidity is expected in the range of 95-100% and minimum may from 44-60%. Wind direction would be southerly to southwesterly and easterly with the wind speed of 2-5 km per hour. Mainly cloudy sky will prevail during the next five days.

Weekly cumulative rainfall: 00.0 mm

NDVI for Mizoram

North East Region

13 April 2017

| 0.2 bare soil backgro | 0.2 - 0.3 | 3 | 0.4 - 0.5 | 6 | 0.6 - 0.7 | 0.6 - 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7

Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling		♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	ROLAGID	♣ In the citrus belt, trees can be planted
LIME	Jugo	A. 1	at any time, however, spring is the best
	(1 3 A /	time for container grown plants.
BANANA	7	(♣ Standard-size trees should be spaced
	/	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∫ _{MAMIT}	()	exact distance depends on the variety.
	/ MANIT		The bigger the fruit, the farther
PLUM AND	ξ	AIZAWL	the distance.
	ì	1	♣ If the soil is not well-drained, plant the
PEACH	l l	1 3	trees on a slight mound to
	ì,		prevent water logging.
	\	1 3 3	♣ Mulching should be done with dry
	((grasses near the tree base to conserve
	1.7		soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		V	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	\	Dieback, Lamon	branches protect healthy plant from soil
	>	butterfly and leaf	borne disease.
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	minor 🚗	Lamon butterfly- Spray monocrotophos
	*	\alpha \(\sigma\)	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
			ml/lit of water) at each flush
			emergence.
			Citrus Canker- Apply bacterimycin
		1 2	@0.6 g/lt of water.
Passion Fruit	Transplanting		♣ High yielding mother vine with good
	stage	LAWNGTLAJ	quality fruits and free of virus diseases
	20050	SAIHA	
			A cutting should contain at least 3
			buds and must be planted in sand
		201	beds.
		V V	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Stage MAMIT Mami		KOLASIB	 Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is grafted using wedge or approach method of grafting.
**If day temperature and prolong dry spell occur it lead to Flora abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. **Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. **Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. **The young fruit plant must be irrigated at weekly interval for better establishment. **Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75%	stage	AIZAWL	Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches
	Bloomi <mark>ng</mark>	LAWNGTLAI	abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta. Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter. The young fruit plant must be irrigated at weekly interval for better establishment

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

			interval.		
Rubber	Nursery stage		Clearing operation may be done during		
			the month of February to April.		
	17	/ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	♣ Make fire line to protect the young tree		
) \ ,	-	and seedlings.		
		KOLASIB	♣ 10-12 kg of well rotten organic manure		
		and 225 gin rock phosphate should			
]	W /	apply at time of planting to each pit as		
CEREALC AND	DILL CE CEOPO		basal dose application.		
CEREALS AND			# II W-11 C11-4 4 1 141 4		
Pre Kharif	Nursery stage		♣ Use only Well filled and healthy seeds.♣ Put the seed in 2.5% salt solution i.e		
Rice	J		250 g of common salt in 10 lts of water.		
	A MAMIT	1	♣ Seed treated with Bavistin 50 WP @		
	(1	0.1% (2 g/lt) solution.		
	\ \ \	AIZAWL	♣ Mulching is requiring for better		
	\		germination in nursery.		
Jhum Rice	Sowing stage	5	♣ Sowing in ridge and furrow.		
			♣ Mulching with grass for better		
)		germination.		
))		♣ Intercropping with greengram and		
		SERCHH	bunchy type frenchbean.		
Maize	Sowing stage	V~1	Seed should be treated with Thiram @4		
(Jhum)	1		g/kg seed.		
		7	Use optimum seed rate (20-25 kg/ha)		
		· ·	for desire plant population.		
		LUNGLE	Apply well decomposed FYM/pig manure @ 5-10 t/ha along with		
)	LUNGLEI	10° 80:60:40 kg N, P ₂ O ₅ and K ₂ O/ha		
		_	incorporate with soil before sowing.		
	1	· 8~	Half nitrogen dose will use at the time		
	1) (of sowing and remaining 25% after one		
			month and 25% at flowering stage.		
Rabi Maize	vegetative		Light irrigation on every week may be		
	stage		given for better establishment and		
			smooth growth.		
		LAWNGTLAN	Larthing up soil near to plant for better		
		SAIHA	support.		
		(♣ Maize rust disease will prevail due to		
			high relative humidity with low		
			temperature. Apply Mancozeb Kg/ha		

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			for effective control.
			Remove the alternate host <i>Oxalis</i> comiculata.
Potato	Harvesting	7	♣ If the leaves and plant became dry it
	stage \	5	means plant ready for harvesting.
		KOLASIB	Open the furrow with the help of spade, harvest all mature tubers.
	ξ	1.	♣ Keep 7 -10 days for drying or reduce
)	W)	the moisture level in shed dry.
	<u> </u>		♣ Keep 25% seed for next season sowing.
VEGETABLE CRO			
Onion	Harvesting	Due to rain	Spray Cycocel @ 200ppm +
	stage MAMIT	1	carbendazim @ 1000 ppm 30 days before harvest to extend the shelf life
	()	of onion.
	\ \ \	AIZAWL	♣ Optimum time of harvesting is one
	\	9	week after 50% of leaves have fallen.
	1	~ ~ ?	Harvesting is done by pulling the
	\		bulbs. On large scale mechanical
	{ [~ /	harvesters are used Ideal conditions for storage, include
	17	0500000	Jan by miditar (c. 200/ DII) and Jan
	\	SERCHH	temperature (2 – 10 °C).
Cowpea	Sowing stage	*	♣ Plough the field properly, at least 2-3
)	-	times.
		`	Mix_fertilizer with FYM 50:60:60Kg /ha.
		LUNGLEI	Sow 2-3 seed per whole.
	>	LUNGLEI	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
	*	light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	Before sowing seed provide one or two
		Provide	irrigation. Provide fertilizer @ 120: 60: 60 Kg/ha
		irrigation in	120. 00. 00 lig/lid
		transplanted okra field.	4
Ginger and	Sowing stage	LAWNGTLA	Rhizome should be treated with Thiram
turmeric	Sowing stage	/ SAIHA	
			♣ Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
		4 /	515
		4	5 P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	 ♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage. ♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha ♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits. ♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.
ANIMAL HUSBEI		(NIENTIE)	An the weather gets salder
Pig	All stages	Porcine Reproductive Respiratory USyndrome	 As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm. Regularly monitor their level of 'fitness' and increase their feed intake to maintain. Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3. Culling of positive pigs or piglets.
	Advite store	(PRRS). Swine fever.	0 77 : 4: 6 : 34 00 : 40
	Adult stage	Swille level.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAJ	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
		Disease (FMD)	every 6 month.
	Young stage	Black Quarter	Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	(BQ)	 Primary vaccination 6 month or above
		Revaccination annually
Poultry Litter management		♣ Birds require adequate space, sufficient feed to meet their nutritional
munugunon:	J ?	requirements and an adequate supply
\ _	- T	of good-quality water.
	KOLASIB	Good management and sanitation are
\ \ \\		the best ways to avoid infectious
)	W >	disease in poultry.
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2	♣ Provide ample quantity of clean
}	5 6	drinking water.
		♣ Avoid feeding of mouldy feed. Don't
		make sudden changes in feed
Preventive	0-3 rd week	Ranikhet Disease- F1 vaccine at (1-6)
measures	AIZAWL	days of birth and R ₂ B vaccine for adult
	ALEATTE	birds.
		♣ B complex with antibodies
),	4 th weeks	Coccidiosis - Amprolium or
\		coccidiostat
	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY		
Pond	3rd-4th weeks	Application of fertilizers/manure helps
prepara <mark>tion</mark>	V	in development of plankton which serve
		as natural feed for the fishes.
	1	Raw cowdung should be applied in the
		pond at the rate of 10 tonnes/ha/year.
	LUNGLEI	One third of the total dose should be
}		applied initially and the rest may be
)	C .	applied in a spilt doses.
,	10	Single super phosphate should also be
		applied at the rate of 250 kg/ha in the
		pond.
		After one week of application
	1 1	development of planktons could be observed in the pond depending on the
		colour of the water. Yellowish green
	LAWNGTLAL	colour is an indicator of the good
	/ SAIHA	plankton development.
		Transparency of the water needs to be
		maintained at 30-40 cm.
	12 (

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Lunglei Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date	or issue:	25 th April	, 2017

26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
0	0	0	0	0
29	29	31	30	30
21	20	20	22	22
Mainly clear	Clear sky	Clear sky	Clear sky	Clear sky
95	98	100	99	99
60	53	48	43	44
5	2	2	4	2
S	S	S-W	E	E
	0 29 21 Mainly clear 95	0 0 29 29 21 20 Mainly clear Clear sky 95 98 60 53 5 2	0 0 0 29 29 31 21 20 20 Mainly clear Clear sky Clear sky 95 98 100 60 53 48 5 2 2	0 0 0 0 29 29 31 30 21 20 20 22 Mainly clear Clear sky Clear sky Clear sky 95 98 100 99 60 53 48 43 5 2 2 4

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Serchhip-411.72mm

Weather summary of the past three days

(453.1mm)

Maximum Tem. (°C):23-25°C

Minimum Tem. (°C):14-16°C Maximum RH (%):98-99%

Minimum RH (%):64-90%

Wind Direction: Southeasterly
Cloud cover: Mainly cloudy

Wind Speed: 3-4 km/hr

Rainfall: 155.3 mm

26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-31°C a ni ang a. A vawh lai ber in 20-22°C ni tura beisei a ni. RH san lai berin 95-100% leh a hniam lai berin 44-60% ni tur a rin niin. Thli hi darkar khatah 2-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

Weekly cumulative rainfall: 00.0mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041. Fax: +91 3837 220560.



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			♣ Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	\ \ \\	3	♣ A rah hmin tha lo ho chu nuai sawm
	1 \		hmain an thliar hrang leh vek thin ani.
		Coffee Berry	4 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	1		Hmaih neih nuaih loh tur ani.
	/	WS)	♣ Sneg hmaih te lakkhawma paih vek tur
	5	2 - 1	ani.
	S		Seng bang zawng zawng chu uluka taka
	[paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	} MAMIT	\ \ \	tur ani.
	/ MANUT	I \ (Hmun dam lutukah dah loh tur.
	h 5	AIZAWL	Boruak tha taka a hmuh theih nan leh a
	1	7	rawn chawr no theih nan thlai chu uluk
	\ \)	tak a hlawi tur ani.
	\ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 2	Chuan hei hian kah tur ani. Quinalphos 25
	\ \ \		EC @ 340 ml/200 lit emaw lamda
)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \	T -) /	In leh loa sawngbawln a a ro dan tur
	1/		tawkah chuan: Arabica / robusta
		SERCHH	
		0-6	robusta cherry 11.0 %. Natna hrik in a khawih tawh a hnah leh a
		Coffee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
	J. J.	`	March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
	\	LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND	DILL CE CDODC		monsoon an kan cimunzawin tur am.
Rabi Maize	A chin hun		✓ Vaimim chinna tur atan lei kan let
Rabi Maize	A CHIII IIUII	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	I I
			phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
		D 63 4	4 A chi chu kan lei leh saah chuan kan
		Y (dah ang.
			♣ A chi chu Thiram @4 g/kg seed hian ak
		LAWNGTLAL	sawngbawl hmasa anga.
		SAIHA	♣ 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			♣ A chi tuh hma in lei leh FYM @5-10
		2 1	t/ha leh 80:60:40 kg N, P ₂ O ₅ leh
<u> </u>	I	1111	3 P a g e
		74	J I age

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Soybean, pea,	All stage	Zero tillage	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. A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	MAMIT		 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 CR		-	10.70
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani . Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani. Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	 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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



	7	KOLASIB	awm thin a , hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.
Onion and capsicum	Nursery stage	Poly house AIZAWL	 ♣ A than a that theih nan nikhat danah tui pek thin tur ani. ♣ Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani. ♣ Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha CHA hle ani.
	}	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	LAWNGTLAI	A than a that theih nan nikhat danah tui pek thin tur ani. Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani. Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani. Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.

5 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | Page

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

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			4	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
) (2		an chaw eitur thlak sak thut loh tur
	4	VOL A CID	<u> </u>	ani.
	Preventive	0-3 rd week	1	Ranikhet Disease- an pian atanga ni
	measures	1		1-6 ah F1 vaccine pek tur ani a, chuan
	(3 1 /		a puitlingh chuan R ₂ B vaccine pek tur ani.
	(4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	Į į	/		coccidiostat
	/ MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY	1	AIZAWL		AMPAI (
	Pond	3rd-4th weeks	4	Dil a leitha hman hian sangha chaw
	preparation			kan tih mai planktons insiam nan a
	(Dil buatsaih)			tanpui thin.
		SERCHI		Bawngek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani. Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.
		LAWNGTLAN	1 (Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani. Tui nut zawng tehna transparency pawh 30-40 cm vel ani tur ani.
		SAIHA	` {	7 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

Collaborating Department:

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/English

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	4	6	0
Max Temp (°C)	29	30	32	30	30
Min Temp (°C)	23	21	21	21	22
Cloud Coverage	Mainly clear	Clear sky	Partially clear	Partially clear	Partially clear
Max RH (%)	96	99	99	98	99
Min RH (%)	72	61	60	52	54
Wind Speed (KmpH)	6	2	4	3	4
*Wind Direction	S	S	S	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

Aizawl- 384.87mm

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

Serchhip-411.72mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C Minimum Tem. (°C):17-20°C

Maximum RH (%):98-99%

Minimum RH (%):81-95%

Wind Direction: Southeasterly Cloud cover: Mainly cloudy

Wind speed: 4-5 km/hr

Rainfall: 168.7 mm

Weather forecast valid from 26th April, 2017 To 30th April, 2017.

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 29-32°C and 21-23°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 52-72%. Wind direction would be southerly to southeasterly with the wind speed of 2-6 km per hour. Partially clear will prevail during the next five days.

Weekly cumulative rainfall: 10.0 mm

NDVI for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



Main Crop/	Stage	Cultural	Agricultural / Horticultural/ animal
Animal		practices/ Pest/	husbandry advisories
/Fisheries		Diseases	·
FRUITS CROPS			
KHASI	Seedling		♣ Fruit palnt should be planted in a
MANDARIN	transplanting	KOLASIB	sunny and wind-protected area.
AND ACID	stage	ROLAGID	♣ In the citrus belt, trees can be planted
LIME	Jugo	A. 1	at any time, however, spring is the best
	(1 3 4 /	time for container grown plants.
BANANA	7	(♣ Standard-size trees should be spaced
	/	2 5	12 to 25 feet apart and dwarf trees
			should be set 6 to 10 feet apart. The
STAR FRUIT	∑ MAMIT	()	exact distance depends on the variety.
) MANIT		The bigger the fruit, the farther
PLUM AND	\ \ \	AIZAWL	the distance.
	ì	1	♣ If the soil is not well-drained, plant the
PEACH	l l	1 3	trees on a slight mound to
	l,		prevent water logging.
	\	1 3 3	♣ Mulching should be done with dry
	((grasses near the tree base to conserve
	1.7		soil moisture during winter.
		SERCHH	The young fruit plant must be irrigated at weekly interval for better
		V	establishment.
		Gummosis, citrus	Die back - Due to low temperature and
		Canker, Citrus	humidity disease appearance will more.
		greening,	Use Bordeaux past in tree trunk, twigs and
	\	Dieback, Lamon	branches protect healthy plant from soil
	>	butterfly and leaf	borne disease.
	1	minor 🚗	Lamon butterfly- Spray monocrotophos
	*	\alpha \(\sigma\)	@0.04% @1.2 ml/lt of water. Leaf minor- Spray confidor 0.05% (0.5)
			ml/lit of water) at each flush
			emergence.
			Citrus Canker- Apply bacterimycin
		1 2	@0.6 g/lt of water.
Passion Fruit	Transplanting		♣ High yielding mother vine with good
	stage	LAWNGTLAJ	quality fruits and free of virus diseases
	20050	SAIHA	
			A cutting should contain at least 3
			buds and must be planted in sand
		201	beds.
		A A V	2 Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



3 | Page

		KOLASIB		Immediately after planting these should be kept inside a high humid chamber made out of bamboo and polythene. Grafting: The root stock of yellow Passion fruit is planted in polythene sleeves and the section from Rahangala hybrid is
Pineapple	Flowering stage	1		grafted using wedge or approach method of grafting. Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied
	MAMIT	AIZAWL	СН	in the heart of the plant. In evening and only when plants have at least 32 leaves. The flowering emergence will come out after 55-60 days after chemical
				spraying. Apply split doses of fertilizer @ 60: 50:60 g per plant. Remove all unwanted leaves, branches and weed near to the plant.
PLANTATION CR				
COFFEE	Blooming stage		1	If day temperature and prolong dry spell occur it lead to Floral abnormalities like "Star Flower" in Arabica and "Pink Flower" in Robusta.
	1	LUNGLEI		Irrigation of plants at alternate day's interval, 6 weeks before harvesting improves fruit retention and fruit development, and reduces fruit
		Ty.	-{	cracking and improves the fruit quality. Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.
		LAWNGTLAL	SVIIIV	 The young fruit plant must be irrigated at weekly interval for better establishment. Foliar application of Mepiquat chloride
				@ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

				interval.
Rubber	Nursery stage		4	Clearing operation may be done during
				the month of February to April.
		/	4	Make fire line to protect the young tree
) \	2		and seedlings.
			4	10-12 kg of well rotten organic manure
		KOLASIB	1	and 225 gm rock phosphate should be
	1	_ \	1	apply at time of planting to each pit as
	1	~ 1		basal dose application.
CEREALS AND				
Pre Kharif	Nursery stage	2 5		Use only Well filled and healthy seeds.
Rice			+	Put the seed in 2.5% salt solution i.e
				250 g of common salt in 10 lts of water.
	/ MAMIT	\ (+	Seed treated with Bavistin 50 WP @
	\ \ \	AIZAWL	CI.	0.1% (2 g/lt) solution.
	ì		-	Mulching is requiring for better
The Diese	0	1	-	germination in nursery. Sowing in ridge and furrow.
Jhum Rice	Sowing stage			Mulching with grass for better
	\	1 3		germination.
	()		4	Intercropping with greengram and
	1 /			bunchy type frenchbean.
Maize	Sowing stage	SERCHH	4	Seed should be treated with Thiram @4
(Jhum)	bowing stage	V (-	_	g/kg seed.
(Ortaint)	\ \	<u></u>	4.	Use optimum seed rate (20-25 kg/ha)
		1	_ (for desire plant population.
	(4	Apply well decomposed FYM/pig
		LUNGLEI	l j	manure @ 5-10 t/ha along with
	}			80:60:40 kg N, P_2O_5 and K_2O/ha
	1	Ć.,		incorporate with soil before sowing.
	,	0		Half nitrogen dose will use at the time
			Ю	of sowing and remaining 25% after one
				month and 25% at flowering stage.
Rabi Maize	vegetative		*	Light irrigation on every week may be
	stage			given for better establishment and
				smooth growth.
		LAWNGTLAL		Earthing up soil near to plant for better
		∫ SAIHA		support. Maize rust disease will prevail due to
			*	high relative humidity with low
			~	temperature. Apply Mancozeb Kg/ha
		7	1	imperature. Appry maneozen Rg/11a

Phone: +91 3837 220041, Fax: +91 3837 220560,



ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			for effective control.
			Remove the alternate host <i>Oxalis</i> comiculata.
Potato	Harvesting	/	♣ If the leaves and plant became dry it
	stage	5	means plant ready for harvesting.
		KOLASIB	Open the furrow with the help of spade, harvest all mature tubers.
	Ι (1.	Keep 7 -10 days for drying or reduce
)	W)	the moisture level in shed dry.
	````		♣ Keep 25% seed for next season sowing.
VEGETABLE CRO			
Onion	Harvesting	Due to rain	♣ Spray Cycocel @ 200ppm +
	stage MAMIT	1	carbendazim @ 1000 ppm 30 days before harvest to extend the shelf life
	(	(	of onion.
	ξ	AIZAWL	♣ Optimum time of harvesting is one
	\ \	()	week after 50% of leaves have fallen.
	\	1 2	Harvesting is done by pulling the
	\		bulbs. On large scale mechanical
	1 (	~	harvesters are used
	) )		Ideal conditions for storage, include low humidity (< 80% RH) and low
		SERCHH	temperature (2 – 10 °C).
Cowpea	Sowing stage	V (,	♣ Plough the field properly, at least 2-3
_		_	times.
			Mix fertilizer with FYM 50:60:60Kg
		LUNALE	/ha. Sow 2-3 seed per whole.
	<u> </u>	LUNGLEI	Spacing should be 30 X 20 cm.
Okra	Sowing stage	Weeding and	Plough the field with the help of spade.
		light irrigation	Sow 2 seed 45 X 45 cm spacing.
		in nursery bed.	Before sowing seed provide one or two
		Provide	irrigation.
		irrigation in	Provide fertilizer @ 120: 60: 60 Kg/ha
		transplanted	L L
Oin me d	0	okra field.	♣ Rhizome should be treated with Thiram
Ginger and turmeric	Sowing stage	SAIHA	
turmeric			Use optimum seed rate (50-60 kg/ha)
			for desire plant population.
		7	)
		4	5   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



6 | P a g e

Colocasia	Sowing stage	KOLASIB	<ul> <li>♣ Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P₂O₅ and K₂O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> <li>♣ Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>♣ Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>♣ Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>
ANIMAL HUSBEN		( ALEANE )	1
Pig	All stages	SERCHH	<ul> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>
	)	Porcine -	1. Culling of positive pigs or piglets.
		Reproductive Respiratory Syndrome (PRRS).	
	Adult stage	Swine fever.	2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval
Cattle	All age group	LAWNGTLAL	Due to prolong dry spell there is a shortage of green grass in the field. For balanced diet and nutrition to your cattle, provide urea molasses treated paddy straw.
	All age group	Foot and Mouth	• FMD vaccine at 16 week and repeat
	Young stage	Disease (FMD)  Black Quarter	every 6 month.  Black Quarter Vaccine (BQV).

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



		(BQ)	<ul> <li>Primary vaccination 6 month or above</li> </ul>
			Revaccination annually
Poultry	Litter		♣ Birds require adequate space, sufficient
	management	7	feed to meet their nutritional
	) \ .	- 3	requirements and an adequate supply
		Value (	of good-quality water.
	]	KOLASIB	Good management and sanitation are
	1		the best ways to avoid infectious
	/	" \	disease in poultry.
	)	(	♣ Provide ample quantity of clean
	}	> 5	drinking water.
			Avoid feeding of mouldy feed. Don't
	- {		make sudden changes in feed
	<b>Preventive</b>	0-3 rd week	<b>Ranikhet Disease-</b> F1 vaccine at (1-6)
	measures	AIZAWL	days of birth and R ₂ B vaccine for adult
	)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	birds.
	1		B complex with antibodies
	1	4 th weeks	<b>4 Coccidiosis-</b> Amprolium or
	\		coccidiostat
	l { (~	4-5 th Weeks	Calcium tonic fortified with B ₁₂
FISHERY			_ 2 \
	Pond	3rd-4th weeks	Application of fertilizers/manure helps
	preparation		in development of plankton which serve
			as natural feed for the fishes.
		7	Raw cowdung should be applied in the
	(		pond at the rate of 10 tonnes/ha/year.
		LUNGLEI	One third of the total dose should be
	}		applied initially and the rest may be
		~	applied in a spilt doses.
	\ \	V ( >-	Single super phosphate should also be
			applied at the rate of 250 kg/ha in the
			pond.
			+ After one week of application
		1 -7	development of planktons could be
			observed in the pond depending on the
		LAWNGTLAN	colour of the water. Yellowish green
		SAIHA	colour is an indicator of the good
		( )	plankton development.
			Transparency of the water needs to be maintained at 30-40 cm.
			maintained at 50-40 cm.
			710000
		- Y- (	7   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### 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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

## **Collaborating Department:**

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



District: Mamit Period: 26 April – 30 April, 2017

Bulletin No: - 695/2017/ Bulletin/Mizo

Date of issue: 25th April, 2017

Parameters	26.04.2017	27.04.2017	28.04.2017	29.04.2017	30.04.2017
Rainfall (mm)	0	0	4	6	0
Max Temp (°C)	29	30	32	30	30
Min Temp (°C)	23	21	21	21	22
Cloud Coverage	Mainly clear	Clear sky	Partially clear	Partially clear	Partially clear
Max RH (%)	96	99	99	98	99
Min RH (%)	72	61	60	52	54
Wind Speed (KmpH)	6	2	4	3	4
*Wind Direction	S	S	S	S-E	S-E

Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly-W, North-westerly- N-W.

STATUS OF MONSOON- June 1-30, 2016 (Percent of deviation from normal in parenthesis)

**Aizawl- 384.87mm** 

Champhai- 105.48mm

Saiha- 307.40 mm

Kolasib- 236.00mm

(430.2mm)

(359.89mm)

(507.7mm)

(428.1mm)

Serchhip-411.72mm

Lawngtlai-291.20mm (453.1mm)

Lunglei-326.00mm (465.14mm)

Mamit-204.87mm (442.80mm)

(259.62mm)

Weather summary of the past three days

Maximum Tem. (°C):26-28°C

Minimum Tem. (°C):17-20°C Maximum RH (%):98-99%

Minimum RH (%):81-95%

Wind Direction: Southeasterly
Cloud cover: Mainly cloudy

Wind speed: 4-5 km/hr

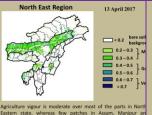
Rainfall: 168.7 mm

# 26th April- 30th April, 2017 chhunga sik leh sa dinhmun tur tlangpui

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-32°C a ni ang a. A vawh lai ber in 21-23°C ni tura beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 52-72% ni tur a rin niin. Thli hi darkar khatah 2-6 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

#### Weekly cumulative rainfall: 10.0mm

**NDVI** for Mizoram



Moderately wet mildly dry/mildly wet conditions

1 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560.



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			Harvesting Stage
			Coffe rah hmin hi thlasik laiin an seng
			thin a ni.
	( )	7	♣ A rah hmin tha lo ho chu nuai sawm
	) \	J	hmain an thliar hrang leh vek thin ani.
		Coffee Berry	👃 A hun takah leh fimkhhur taka seng tur
		borer	ani.
	\{ \		🖊 Hmaih neih nuaih loh tur ani.
	)	W )	♣ Sneg hmaih te lakkhawma paih vek tur
	ς	) / (	ani.
	(		Seng bang zawng zawng chu uluka taka
	[		paih fai vek tur ani.
			4 A thlai vennan a rah tlai ho chu paih vek
	SHARIT	( )	tur ani.
	/ MAMIT		Hmun dam lutukah dah loh tur.
	\ \{\bar{\}}	AIZAWL	Boruak tha taka a hmuh theih nan leh a
	)	7	rawn chawr no theih nan thlai chu uluk
	ή	)	tak a hlawi tur ani.
	Δ.	1 2	Chuan hei hian kah tur ani. Quinalphos 25
	<b>\</b>		EC @ 340 ml/200 lit emaw lamda
	)		cyhalothrin 5 EC 120 – 160 ml / 200 lit.
	\ \	7	In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta
	7 /		
	-	SERCHH	robusta cherry 11.0%.
		Coffee Rust	♣ Natna hrik in a khawih tawh a hnah leh a
		Collee Rust	dang te paihpaih vek tur ani.
			Bordeaux mixture 0.5% in February -
		l "	March (Pre-bloom) a kah phawt a,
			Oxycarboxin 0.03% in May - June (Pre-
		LUNGLEI	monsoon) ah kah chhunzawm tur ani.
CEREALS AND I	PULSE CROPS		
Rabi Maize	A chin hun	5	→ Vaimim chinna tur atan lei kan let
		0	phut darh anga.
			Hei hian a rawn to chhuah na tur atan
			a pui dawn a ni.
			A chi chu kan lei leh saah chuan kan
		1	
			dah ang.
		LAWNGTLAL	A chi chu Thiram @4 g/kg seed hian ak
			sawngbawl hmasa anga.
		SAIHA	4 20-25 kg/ha vel a chi thlak hi a tawk
			vel viau ani.
			▲ A chi tuh hma in lei leh FYM @5-10
		0 0	$t/ha$ leh $80:60:40$ kg N, $P_2O_5$ leh
		V. V	3   Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



4 | P a g e

Soybean, pea,	All stage	Zero tillage	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.  A than a that theih nan nikhat danah
lentil toria, breen gram and black gram cultivation in rice fellow	} MAMIT		<ul> <li>tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>
Potato	Sowing stage	SERCHH	<ul> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul>
VEGETABLE CR			#6 <i>7</i> 0
Tomato	Bacterial Blight disease	LUNGLEI	Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .  Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.  Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .
Early Cole crop	Black spot disease	LAWNGTLAI SAIHA	<ul> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



5 | Page

		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	Nursery stage	Poly house	A than a that theih nan nikhat danah
capsicum	/	W )	tui pek thin tur ani.
	· · · · · · · · · · · · · · · · · · ·		Thlai bul vawn hnawn nana thlai bula
	}	> 5	hnim ring vawm khawm hi tui pek zawhah dah tur ani.
			Thlai chhina hmun (nursery) hi hnim a
	∑ _{MAMIT}		to loh nan Pendimethalin @ 3.5ml hi
	MAINIT		tui liter 1 zelah pawlh a kah hi a tha
		AIZAWL	CHAIhle ani.
	\	Phytopthora	A chi ven that nan thiram 3g/kg seed
	\	blight	emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani
	\		Hugh taka 1% Bordeaux chawhpawlh
	} ~		emaw 2 g captan emaw 3 copper
	) )		oxychloride a tui liter 1 hi 10-15 DAS a
French bean	Saming store	SERCHH	pek hi a tha hle ani.  Tui pek a hnihnah hringa khuh tur ani
French bean	Sowing stage	V L	a. than a that theih nan tui pek hma
			in lei rin pan hmasak tur ani.
		7	A than duna theih nan leh hnim to loh
			na turin a kung bulah lei vur chhoh zel
		LUNGLEL	tur ani.
Carrot and	Sowing stage		A than a that their nan nikhat danah
radish		5	tui pek thin tur ani.  Tui pek hnuah thlai bul vawn hnawn
	)	IN I	na tur siam tur ani.
			₹ Zikhlum lam chi ah chuan sik leh
			sa vangin a hnah ah thil dum a
		) W	rawn awm thina, hei hi natna
			tlanglawn ber ani.
		LAWNGTLAL	Thlai hna lam chi leh zikhlum lam
		SAIHA	
			Mancozeb @ 2gm ah tui leter 1
			nawlha kah tur ani.

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



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

6 | Page

Phone: +91 3837 220041, Fax: +91 3837 220560,



## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

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



			4	Tui an in tur chhawpna tur tha /lian
				tha tak leh tui thianghlim tak pek tur ani.
			4	Chaw a hmuar/thing pek loh tur ani a,
	) \	/ ?		an chaw eitur thlak sak thut loh tur
	- V	\		ani.
	Preventive	0-3 rd week	t.	Ranikhet Disease- an pian atanga ni
	measures	W 1		1-6 ah F1 vaccine pek tur ani a, chuan
	(	13 1 /		a puitlingh chuan R ₂ B vaccine pek tur ani.
	/		4	B complex with antibodies
		4th weeks	4	Coccidiosis- Amprolium or
	Į	/	-	coccidiostat
	/ MAMIT	4-5th Weeks	4	Calcium tonic fortified with B ₁₂
FISHERY		AIZAWL		AMPAI
	Pond	3rd-4th weeks	4	Dil a leitha hman hian sangha chaw
	preparation	U -4 WCCRS	.   _	kan tih mai planktons insiam nan a
	(Dil buatsaih)			tanpui thin.
	(Dir bunchum)		4	Bawngek hring 10 tonnes/ha/year vel
	1 5			dil ah hman thin a ni a; bawngek
		SERCH	II P	kumkhat a kan mamawh zat
	1	\	T	hmunthum a then a hmunkhat hi dil
	{			buatsaih nan hman tur ani. A bak
			1 .	zawng hi tui boruak a zirin semdarh a
				hman thin tur ani.
		LUNGLE	-	Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman
		LUNGLEI	1 7	thin tur ani.
		-	4	Leitha kan hman atang a karkhat
		0 3	1	hnuah tui rawng a tangin sangha chaw
				inseam that leh thatloh a hriat theih a.
			1	Tui rawng eng hring deuh nghalh ah
			17	hian sangha chaw planktons te an
		1 1		inseam tha ang a ngaih ani.
			-	Tui nut zawng tehna transparency
		LAWNGTLAL		pawh 30-40 cm vel ani tur ani.
		SAIH/	i,	)
				~
				J
		4	<u> </u>	
		- N - N		7   P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,



#### ICAR RESEARCH COMPLEX FOR NEH RECION

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	۱:	Scientist (Agril. Physics)	sauravs.saha@gmail.com
Dr. T. Boopathi	:	Scient <mark>ist (Agril Entomolo</mark> gy)	boopathiars@gmail.com
Dr. A. Ratankumar Singh	:	Scient <mark>ist (Plant Patholog</mark> y)	ratanplantpatho@gmail.com
Dr. Lungmuana	:	Scientist (Soil Fertility)	lmsingson@gmail.com
Mr. P.L. Lalrinsanga	(:	Scientist (Aquaculture)	viensky2@gmail.com
Dr. Dr. V. Dayal	7:	Scientist (Horticulture)	Vishambhai5009@gmail.com
Dr. Samuel Lalliansanga	:	Head & Sr. Scientist	samuelpachuau10@gmail.com
Mr. Samik Chowdhury	:	Technical Officer	samikchowdhury33@gmail.com
Mr. Diktea chenkual	i i	Project Assistant	dikteachenkualboy@gmail.com

## **Collaborating Department:**

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

SAIHA

LAWNGTLA

CHAMPAL

8 | P a g e

Phone: +91 3837 220041, Fax: +91 3837 220560,